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 ISON, Craig H.; RICHARDSON, Thomas W.;  
 LEE, Soo Y.; KHARE, Reena;  
 MARQUIS, Joseph P.; SWARNAKAR, Anita;  
 CHAWLA, Narinder K.; ELLIOTT, Vicki S.;  
 EMERLING, Brooke M.; BECHA, Shanya D.;  
 HAFALIA, April J.A.; LI, Joana X.;  
 GRIFFIN, Jennifer A.; HAWKINS, Phillip R.;  
 JIN, Pei; CHIEN, David; JIANG, Xin;  
 JACKSON, Alan A.; Mason, Patricia M.;  
 BHATIA, Umesh G.; BURRILL, John D.;  
 LEE, Sally; BLAKE, Julie Blake J.;  
 HO, Anne; ZHENG, Wenjin; GAO, Jing

<120> ENZYMES

<130> PF-1387 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/368,799

<151> 2002-03-29

<150> US 60/368,721

<151> 2002-03-29

<160> 110

<170> PERL Program

<210> 1

<211> 355

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 7509350CD1

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Val	His	Pro	Arg	Thr	Leu	Leu	Leu	Gly	Thr	Val	Ala	Phe	Leu	Leu
				20					25					30
Ala	Ala	Asp	Phe	Leu	Lys	Arg	Arg	Arg	Pro	Lys	Asn	Tyr	Pro	Pro
				35					40					45
Gly	Pro	Trp	Arg	Leu	Pro	Phe	Leu	Gly	Asn	Phe	Phe	Leu	Val	Asp
				50					55					60
Phe	Glu	Gln	Ser	His	Leu	Glu	Val	Gln	Leu	Phe	Val	Lys	Lys	Tyr
				65					70					75
Gly	Asn	Leu	Phe	Ser	Leu	Glu	Leu	Gly	Asp	Ile	Ser	Ala	Val	Leu
				80					85					90
Ile	Thr	Gly	Leu	Pro	Leu	Ile	Lys	Glu	Ala	Leu	Ile	His	Met	Asp
				95					100					105
Gln	Asn	Phe	Gly	Asn	Arg	Pro	Val	Thr	Pro	Met	Arg	Glu	His	Ile
				110					115					120
Phe	Lys	Lys	Asn	Gly	Leu	Ile	Met	Ser	Ser	Gly	Gln	Ala	Trp	Lys
				125					130					135
Glu	Gln	Arg	Arg	Phe	Thr	Leu	Thr	Ala	Leu	Arg	Asn	Phe	Gly	Leu
				140					145					150
Gly	Lys	Lys	Ser	Leu	Glu	Glu	Arg	Ile	Gln	Glu	Glu	Ala	Gln	His
				155					160					165

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Leu Thr Glu Ala Ile Lys Glu Glu Asn Gly Gln Pro Phe Asp Pro
170 175 180
His Phe Lys Ile Asn Asn Ala Val Ser Asn Ile Ile Cys Ser Ile
185 190 195
Thr Phe Gly Glu Arg Phe Glu Tyr Gln Asp Ser Trp Phe Gln Gln
200 205 210
Leu Leu Lys Leu Leu Asp Glu Val Thr Tyr Leu Glu Ala Ser Lys
215 220 225
Thr Cys Gln Leu Tyr Asn Val Phe Pro Trp Ile Met Lys Phe Leu
230 235 240
Pro Gly Pro His Gln Thr Leu Phe Ser Asn Trp Lys Lys Leu Lys
245 250 255
Leu Phe Val Ser His Met Ile Asp Lys His Arg Lys Asp Trp Asn
260 265 270
Pro Ala Glu Thr Arg Asp Phe Ile Asp Ala Tyr Leu Lys Glu Met
275 280 285
Ser Lys His Thr Gly Asn Pro Thr Ser Ser Phe His Glu Glu Asn
290 295 300
Leu Ile Cys Ser Thr Leu Asp Leu Phe Phe Ala Gly Thr Glu Thr
305 310 315
Thr Ser Thr Thr Leu Arg Trp Ala Leu Leu Tyr Met Ala Leu Tyr
320 325 330
Pro Glu Ile Gln Gly Tyr His Asp Pro Asp Gln Phe Asp Gly Ala
335 340 345
Ala Gln Gly Pro His Arg Val Gly His Pro
350 355

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&lt;210&gt; 2

&lt;211&gt; 139

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509325CD1

&lt;400&gt; 2

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Met Glu Pro Phe Val Val Leu Val Leu Cys Leu Ser Phe Met Leu
1 5 10 15
Leu Phe Ser Leu Trp Arg Gln Ser Cys Arg Arg Arg Lys Leu Pro
20 25 30
Pro Gly Pro Thr Pro Leu Pro Ile Ile Gly Asn Met Leu Gln Ile
35 40 45
Asp Val Lys Asp Ile Cys Lys Ser Phe Thr Asn Phe Ser Lys Val
50 55 60
Tyr Gly Pro Val Phe Thr Val Tyr Phe Gly Met Asn Pro Ile Val
65 70 75
Val Phe His Gly Tyr Glu Ala Val Lys Glu Ala Leu Ile Asp Asn
80 85 90
Gly Glu Glu Phe Ser Gly Arg Gly Asn Ser Pro Ile Ser Gln Arg
95 100 105
Ile Thr Lys Gly Leu Gly Arg Cys Thr Tyr Phe Cys Val Ser Phe
110 115 120
Gly Asn Trp Gly Glu Gly Asp Gly Lys Gln Ser Pro Lys Lys Leu
125 130 135
Leu Ser Arg Ala

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&lt;210&gt; 3

&lt;211&gt; 259

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7509337CD1

<400> 3  
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 1 5 10 15  
 Val Glu Gly Thr Leu Leu Gln Pro Ala Thr Val Asp Asn Trp Ser  
 20 25 30  
 Gln Ile Gln Ser Phe Glu Ala Lys Pro Asp Asp Leu Leu Ile Cys  
 35 40 45  
 Thr Tyr Pro Lys Ala Gly Thr Thr Trp Ile Gln Glu Ile Val Asp  
 50 55 60  
 Met Ile Glu Gln Asn Gly Asp Val Glu Lys Cys Gln Arg Ala Ile  
 65 70 75  
 Ile Gln His Arg His Pro Phe Ile Glu Trp Ala Arg Pro Pro Gln  
 80 85 90  
 Pro Ser Ala Arg Asn Ala Lys Asp Cys Met Val Ser Tyr Tyr His  
 95 100 105  
 Phe Gln Arg Met Asn His Met Leu Pro Asp Pro Gly Thr Trp Glu  
 110 115 120  
 Glu Tyr Phe Glu Thr Phe Ile Asn Gly Lys Val Val Trp Gly Ser  
 125 130 135  
 Trp Phe Asp His Val Lys Gly Trp Trp Glu Met Lys Asp Arg His  
 140 145 150  
 Gln Ile Leu Phe Leu Phe Tyr Glu Asp Ile Lys Arg Asp Pro Lys  
 155 160 165  
 His Glu Ile Arg Lys Val Met Gln Phe Met Gly Lys Lys Val Asp  
 170 175 180  
 Glu Thr Val Leu Asp Lys Ile Val Gln Glu Thr Ser Phe Glu Lys  
 185 190 195  
 Met Lys Glu Asn Pro Met Thr Asn Arg Ser Thr Val Ser Lys Ser  
 200 205 210  
 Ile Leu Asp Gln Ser Ile Ser Ser Phe Met Arg Lys Gly Thr Val  
 215 220 225  
 Gly Asp Trp Lys Asn His Phe Thr Val Ala Gln Asn Glu Arg Phe  
 230 235 240  
 Asp Glu Ile Tyr Arg Arg Lys Met Glu Gly Thr Ser Ile Asn Phe  
 245 250 255  
 Cys Met Glu Leu

<210> 4  
 <211> 450  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7509353CD1

<400> 4  
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 1 5 10 15  
 Leu His Pro Leu Leu Trp Arg Gly Ser Val Ala Arg Leu Ala Ser  
 20 25 30  
 Ser Met Ala Leu Ala Glu Gln Ala Arg Gln Leu Phe Glu Ser Ala  
 35 40 45  
 Val Gly Ala Val Leu Pro Gly Pro Met Leu His Arg Ala Leu Ser  
 50 55 60  
 Leu Asp Pro Gly Gly Arg Gln Leu Lys Val Arg Asp Arg Asn Phe  
 65 70 75  
 Gln Leu Arg Gln Asn Leu Tyr Leu Val Gly Phe Gly Lys Ala Val

80	85	90
Leu Gly Met Ala Ala Ala Glu Glu	Leu Leu Gly Gln His Leu	
95	100	105
Val Gln Gly Val Ile Ser Val Pro Lys	Gly Ile Arg Ala Ala Met	
110	115	120
Glu Arg Ala Gly Lys Gln Glu Met Leu	Leu Lys Pro His Ser Arg	
125	130	135
Val Gln Glu Leu Asn Thr Ile Arg Lys	Ala Leu Ser Gln Leu Lys	
140	145	150
Gly Gly Gly Leu Ala Gln Ala Ala Tyr	Pro Ala Gln Val Val Ser	
155	160	165
Leu Ile Leu Ser Asp Val Val Gly Asp	Pro Val Glu Val Ile Ala	
170	175	180
Ser Gly Pro Thr Val Ala Ser Ser His	Asn Val Gln Asp Cys Leu	
185	190	195
His Ile Leu Asn Arg Tyr Gly Leu Arg	Ala Ala Leu Pro Arg Ser	
200	205	210
Val Lys Thr Val Leu Ser Arg Ala Asp	Ser Asp Pro His Gly Pro	
215	220	225
His Thr Cys Gly His Val Leu Asn Val	Ile Ile Gly Ser Asn Val	
230	235	240
Leu Ala Leu Ala Glu Ala Gln Arg Gln	Ala Glu Ala Leu Gly Tyr	
245	250	255
Gln Ala Val Val Leu Ser Ala Ala Met	Gln Gly Asp Val Lys Ser	
260	265	270
Met Ala Gln Phe Tyr Gly Leu Leu Ala	His Val Ala Arg Thr Arg	
275	280	285
Leu Thr Pro Ser Met Ala Gly Ala Ser	Val Glu Glu Asp Ala Gln	
290	295	300
Leu His Glu Leu Ala Ala Glu Leu Gln	Ile Pro Asp Leu Gln Leu	
305	310	315
Glu Glu Ala Leu Glu Thr Met Ala Trp	Gly Arg Gly Pro Val Cys	
320	325	330
Leu Leu Ala Gly Gly Glu Pro Thr Val	Gln Leu Gln Gly Ser Gly	
335	340	345
Arg Gly Gly Arg Asn Gln Glu Leu Ala	Leu Arg Val Gly Ala Glu	
350	355	360
Leu Arg Arg Trp Pro Leu Gly Pro Ile	Asp Val Leu Phe Leu Ser	
365	370	375
Gly Gly Thr Asp Gly Gln Asp Gly Pro	Thr Glu Ala Ala Gly Ala	
380	385	390
Trp Val Thr Pro Glu Leu Ala Ser Gln	Ala Ala Ala Glu Gly Leu	
395	400	405
Asp Ile Ala Thr Phe Leu Ala His Asn	Asp Ser His Thr Phe Phe	
410	415	420
Cys Cys Leu Gln Gly Gly Ala His Leu	Leu His Thr Gly Met Thr	
425	430	435
Gly Thr Asn Val Met Asp Thr His Leu	Leu Phe Leu Arg Pro Arg	
440	445	450

&lt;210&gt; 5

&lt;211&gt; 387

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509354CD1

&lt;400&gt; 5

Met Asn Ala Ser Glu Phe Arg Arg Arg Gly Lys Glu Met Val Asp
1 5 10 15

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Tyr Val Ala Asn Tyr Met Glu Gly Ile Glu Gly Arg Gln Val Tyr
20 25 30
Pro Asp Val Glu Pro Gly Tyr Leu Arg Pro Leu Ile Pro Ala Ala
35 40 45
Ala Pro Gln Glu Pro Asp Thr Phe Glu Asp Ile Ile Asn Asp Val
50 55 60
Glu Lys Ile Ile Met Pro Gly Val Thr His Trp His Ser Pro Tyr
65 70 75
Phe Phe Ala Tyr Phe Pro Thr Ala Ser Ser Tyr Pro Ala Met Leu
80 85 90
Ala Asp Met Leu Cys Gly Ala Ile Gly Cys Ile Gly Phe Ser Trp
95 100 105
Ala Ala Ser Pro Ala Cys Thr Glu Leu Glu Thr Val Met Met Asp
110 115 120
Trp Leu Gly Lys Met Leu Glu Leu Pro Lys Ala Phe Leu Asn Glu
125 130 135
Lys Ala Gly Glu Gly Gly Gly Val Ile Gln Met Val Ala Thr Leu
140 145 150
Gly Thr Thr Thr Cys Cys Ser Phe Asp Asn Leu Leu Glu Val Gly
155 160 165
Pro Ile Cys Asn Lys Glu Asp Ile Trp Leu His Val Asp Ala Ala
170 175 180
Tyr Ala Gly Ser Ala Phe Ile Cys Pro Glu Phe Arg His Leu Leu
185 190 195
Asn Gly Val Glu Phe Ala Asp Ser Phe Asn Phe Asn Pro His Lys
200 205 210
Trp Leu Leu Val Asn Phe Asp Cys Ser Ala Met Trp Val Lys Lys
215 220 225
Arg Thr Asp Leu Thr Gly Ala Phe Arg Leu Asp Pro Thr Tyr Leu
230 235 240
Lys His Ser His Gln Asp Ser Gly Leu Ile Thr Asp Tyr Arg His
245 250 255
Trp Gln Ile Pro Leu Gly Arg Arg Phe Arg Ser Leu Lys Met Trp
260 265 270
Phe Val Phe Arg Met Tyr Gly Val Lys Gly Leu Gln Ala Tyr Ile
275 280 285
Arg Lys His Val Gln Leu Ser His Glu Phe Glu Ser Leu Val Arg
290 295 300
Gln Asp Pro Arg Phe Glu Ile Cys Val Glu Val Ile Leu Gly Leu
305 310 315
Val Cys Phe Arg Leu Lys Gly Ser Asn Lys Val Asn Glu Ala Leu
320 325 330
Leu Gln Arg Ile Asn Ser Ala Lys Lys Ile His Leu Val Pro Cys
335 340 345
His Leu Arg Asp Lys Phe Val Leu Arg Phe Ala Ile Cys Ser Arg
350 355 360
Thr Val Glu Ser Ala His Val Gln Arg Ala Trp Glu His Ile Lys
365 370 375
Glu Leu Ala Ala Asp Val Leu Arg Ala Glu Arg Glu
380 385

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&lt;210&gt; 6

&lt;211&gt; 442

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509385CD1

&lt;400&gt; 6

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Met Asn Ala Ser Glu Phe Arg Arg Arg Gly Lys Glu Met Val Asp
1 5 10 15

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Tyr	Val	Ala	Asn	Tyr	Met	Glu	Gly	Ile	Glu	Gly	Arg	Gln	Val	Tyr	20	25	30
Pro	Asp	Val	Glu	Pro	Gly	Tyr	Leu	Arg	Pro	Leu	Ile	Pro	Ala	Ala	35	40	45
Ala	Pro	Gln	Glu	Pro	Asp	Thr	Phe	Glu	Asp	Ile	Ile	Asn	Asp	Val	50	55	60
Glu	Lys	Ile	Ile	Met	Pro	Gly	Ala	Ala	Ser	Pro	Ala	Cys	Thr	Glu	65	70	75
Leu	Glu	Thr	Val	Met	Met	Asp	Trp	Leu	Gly	Lys	Met	Leu	Glu	Leu	80	85	90
Pro	Lys	Ala	Phe	Leu	Asn	Glu	Lys	Ala	Gly	Glu	Gly	Gly	Gly	Val	95	100	105
Ile	Gln	Gly	Ser	Ala	Ser	Glu	Ala	Thr	Leu	Val	Ala	Leu	Leu	Ala	110	115	120
Ala	Arg	Thr	Lys	Val	Ile	His	Arg	Leu	Gln	Ala	Ala	Ser	Pro	Glu	125	130	135
Leu	Thr	Gln	Ala	Ala	Ile	Met	Glu	Lys	Leu	Val	Ala	Tyr	Ser	Ser	140	145	150
Asp	Gln	Ala	His	Ser	Ser	Val	Glu	Arg	Ala	Gly	Leu	Ile	Gly	Gly	155	160	165
Val	Lys	Leu	Lys	Ala	Ile	Pro	Ser	Asp	Gly	Asn	Phe	Ala	Met	Arg	170	175	180
Ala	Ser	Ala	Leu	Gln	Glu	Ala	Leu	Glu	Arg	Asp	Lys	Ala	Ala	Gly	185	190	195
Leu	Ile	Pro	Phe	Phe	Met	Val	Ala	Thr	Leu	Gly	Thr	Thr	Thr	Cys	200	205	210
Cys	Ser	Phe	Asp	Asn	Leu	Leu	Glu	Val	Gly	Pro	Ile	Cys	Asn	Lys	215	220	225
Glu	Asp	Ile	Trp	Leu	His	Val	Asp	Ala	Ala	Tyr	Ala	Gly	Ser	Ala	230	235	240
Phe	Ile	Cys	Pro	Glu	Phe	Arg	His	Leu	Leu	Asn	Gly	Val	Glu	Phe	245	250	255
Ala	Asp	Ser	Phe	Asn	Phe	Asn	Pro	His	Lys	Trp	Leu	Leu	Val	Asn	260	265	270
Phe	Asp	Cys	Ser	Ala	Met	Trp	Val	Lys	Lys	Arg	Thr	Asp	Leu	Thr	275	280	285
Gly	Ala	Phe	Arg	Leu	Asp	Pro	Thr	Tyr	Leu	Lys	His	Ser	His	Gln	290	295	300
Asp	Ser	Gly	Leu	Ile	Thr	Asp	Tyr	Arg	His	Trp	Gln	Ile	Pro	Leu	305	310	315
Gly	Arg	Arg	Phe	Arg	Ser	Leu	Lys	Met	Trp	Phe	Val	Phe	Arg	Met	320	325	330
Tyr	Gly	Val	Lys	Gly	Leu	Gln	Ala	Tyr	Ile	Arg	Lys	His	Val	Gln	335	340	345
Leu	Ser	His	Glu	Phe	Glu	Ser	Leu	Val	Arg	Gln	Asp	Pro	Arg	Phe	350	355	360
Glu	Ile	Cys	Val	Glu	Val	Ile	Leu	Gly	Leu	Val	Cys	Phe	Arg	Leu	365	370	375
Lys	Gly	Ser	Asn	Lys	Val	Asn	Glu	Ala	Leu	Leu	Gln	Arg	Ile	Asn	380	385	390
Ser	Ala	Lys	Lys	Ile	His	Leu	Val	Pro	Cys	His	Leu	Arg	Asp	Lys	395	400	405
Phe	Val	Leu	Arg	Phe	Ala	Ile	Cys	Ser	Arg	Thr	Val	Glu	Ser	Ala	410	415	420
His	Val	Gln	Arg	Ala	Trp	Glu	His	Ile	Lys	Glu	Leu	Ala	Ala	Asp	425	430	435
Val	Leu	Arg	Ala	Glu	Arg	Glu									440		

&lt;210&gt; 7

&lt;211&gt; 161

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509216CD1

&lt;400&gt; 7

Met	Glu	Val	Arg	Thr	Lys	Arg	Pro	Arg	Ile	Gly	Thr	Asp	Thr	Asn
1				5					10					15
Arg	Pro	Phe	Val	Glu	Glu	Ile	Gln	Met	Ala	Ile	Arg	Thr	Pro	
				20				25						30
Glu	Met	Lys	Gly	Leu	Leu	Pro	Leu	Ala	Trp	Phe	Leu	Ala	Cys	Ser
				35				40						45
Val	Pro	Ala	Val	Gln	Gly	Gly	Leu	Leu	Asp	Leu	Lys	Ser	Met	Ile
				50				55						60
Glu	Lys	Val	Thr	Gly	Lys	Asn	Ala	Leu	Thr	Asn	Tyr	Gly	Phe	Tyr
				65				70						75
Gly	Cys	Tyr	Cys	Gly	Trp	Gly	Gly	Arg	Gly	Thr	Pro	Lys	Asp	Gly
				80				85						90
Thr	Asp	Trp	Val	Ser	Leu	Trp	Leu	Pro	Arg	Leu	Glu	Cys	Asn	Gly
				95				100						105
Ala	Ile	Ser	Ala	His	Cys	Ile	Leu	Asp	Leu	Leu	His	Ser	Gly	Ala
				110				115						120
Val	Gly	Arg	Met	Thr	Thr	Ala	Met	Gly	Gly	Trp	Arg	Arg	Arg	Ala
				125				130						135
Ala	Thr	Phe	Ala	His	Ser	Pro	Thr	Asn	Thr	Asp	Ser	Arg	Gly	Ala
				140				145						150
Trp	Ser	Pro	Ala	Ser	Pro	Gly	Pro	Ser	Ala	Met				
				155				160						

&lt;210&gt; 8

&lt;211&gt; 126

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509376CD1

&lt;400&gt; 8

Met	Glu	Val	Arg	Thr	Lys	Arg	Pro	Arg	Ile	Gly	Thr	Asp	Thr	Asn
1				5					10					15
Arg	Pro	Phe	Val	Glu	Glu	Glu	Ile	Gln	Met	Ala	Ile	Arg	Thr	Pro
				20				25						30
Glu	Met	Lys	Gly	Leu	Leu	Pro	Leu	Ala	Trp	Phe	Leu	Ala	Cys	Ser
				35				40						45
Val	Pro	Ala	Val	Gln	Gly	Gly	Leu	Leu	Asp	Leu	Lys	Ser	Met	Ile
				50				55						60
Glu	Lys	Val	Thr	Gly	Lys	Asn	Ala	Leu	Thr	Asn	Tyr	Gly	Phe	Tyr
				65				70						75
Gly	Cys	Tyr	Cys	Gly	Trp	Gly	Gly	Arg	Gly	Thr	Pro	Lys	Asp	Gly
				80				85						90
Thr	Asp	Trp	Val	Ser	Leu	Trp	Leu	Pro	Arg	Leu	Glu	Cys	Asn	Gly
				95				100						105
Ala	Ile	Ser	Ala	His	Cys	Ile	Leu	Asp	Leu	Leu	His	Ser	Gly	Asp
				110				115						120
Ser	Pro	Thr	Ser	Ala	Ser									
				125										

&lt;210&gt; 9

&lt;211&gt; 418

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7501927CD1

&lt;400&gt; 9

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Met Ser Leu Leu Ser Leu Pro Trp Leu Gly Leu Arg Leu Val Ala
  1      5      10      15
Met Ser Pro Trp Leu Leu Leu Leu Val Val Gly Ser Trp Leu
  20      25      30
Leu Ala Arg Ile Leu Ala Trp Thr Tyr Ala Phe Tyr Asn Asn Cys
  35      40      45
Arg Arg Leu Gln Cys Phe Pro Gln Pro Pro Lys Arg Asn Trp Phe
  50      55      60
Trp Gly His Leu Gly Leu Ile Thr Pro Thr Glu Glu Gly Leu Lys
  65      70      75
Asp Ser Thr Gln Met Ser Ala Thr Tyr Ser Gln Gly Phe Thr Val
  80      85      90
Trp Leu Gly Pro Ile Ile Pro Phe Ile Val Leu Cys His Pro Asp
  95      100     105
Thr Ile Arg Ser Ile Thr Asn Ala Ser Ala Ala Ile Ala Pro Lys
  110     115     120
Asp Asn Leu Phe Ile Arg Phe Leu Lys Pro Trp Leu Gly Glu Gly
  125     130     135
Ile Leu Leu Ser Gly Gly Asp Lys Trp Ser Arg His Arg Arg Met
  140     145     150
Leu Thr Pro Ala Phe His Phe Asn Ile Leu Lys Ser Tyr Ile Thr
  155     160     165
Ile Phe Asn Lys Ser Ala Asn Ile Met Leu Asp Lys Trp Gln His
  170     175     180
Leu Ala Ser Glu Gly Ser Ser Arg Leu Asp Met Phe Glu His Ile
  185     190     195
Ser Leu Met Thr Leu Asp Ser Leu Gln Lys Cys Val Phe Ser Phe
  200     205     210
Asp Ser His Cys Gln Glu Lys Pro Ser Glu Tyr Ile Ala Ala Ile
  215     220     225
Leu Glu Leu Ser Ala Leu Val Ser Lys Arg His His Glu Ile Leu
  230     235     240
Leu His Ile Asp Phe Leu Tyr Tyr Leu Thr Pro Asp Gly Gln Arg
  245     250     255
Phe Arg Arg Ala Cys Arg Leu Val His Asp Phe Thr Asp Ala Val
  260     265     270
Ile Gln Glu Arg Arg Arg Thr Leu Pro Ser Gln Gly Val Asp Asp
  275     280     285
Phe Leu Gln Ala Lys Ala Lys Ser Lys Thr Leu Asp Phe Ile Asp
  290     295     300
Val Leu Leu Leu Ser Lys Asp Glu Asp Gly Lys Lys Leu Ser Asp
  305     310     315
Glu Asp Ile Arg Ala Glu Ala Asp Thr Phe Met Phe Glu Gly His
  320     325     330
Asp Thr Thr Ala Ser Gly Leu Ser Trp Val Leu Tyr His Leu Ala
  335     340     345
Lys His Pro Glu Tyr Gln Glu Arg Cys Arg Gln Glu Val Gln Glu
  350     355     360
Leu Leu Lys Asp Arg Glu Pro Lys Glu Ile Glu Trp Asp Asp Leu
  365     370     375
Ala Gln Leu Pro Phe Leu Thr Met Cys Leu Lys Glu Ser Leu Arg
  380     385     390
Leu His Pro Pro Ile Pro Thr Phe Ala Arg Gly Cys Thr Gln Asp
  395     400     405
Val Val Leu Pro Asp Ser Arg Val Ile Pro Lys Gly Leu
  410     415

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&lt;210&gt; 10

&lt;211&gt; 424



&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7503274CD1

&lt;400&gt; 10

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Met Ala Ala Leu Gly Cys Ala Arg Leu Arg Trp Ala Leu Arg Gly
 1          5          10          15
Ala Gly Arg Gly Leu Cys Pro His Gly Ala Arg Ala Lys Ala Ala
          20          25          30
Ile Pro Ala Ala Leu Pro Ser Asp Lys Ala Thr Gly Ala Pro Gly
          35          40          45
Ala Gly Pro Gly Val Arg Arg Arg Gln Arg Ser Leu Glu Glu Ile
          50          55          60
Pro Arg Leu Gly Gln Leu Arg Phe Phe Phe Gln Leu Phe Val Gln
          65          70          75
Gly Tyr Ala Leu Gln Leu His Gln Leu Gln Val Leu Tyr Lys Ala
          80          85          90
Lys Tyr Gly Pro Met Trp Met Ser Tyr Leu Gly Pro Gln Met His
          95          100          105
Val Asn Leu Ala Ser Ala Pro Leu Leu Glu Gln Val Met Arg Gln
          110          115          120
Glu Gly Lys Tyr Pro Val Arg Asn Asp Met Glu Leu Trp Lys Glu
          125          130          135
His Arg Asp Gln His Asp Leu Thr Tyr Gly Pro Phe Thr Thr Glu
          140          145          150
Gly His His Trp Tyr Gln Leu Arg Gln Ala Leu Asn Gln Arg Leu
          155          160          165
Leu Lys Pro Ala Glu Ala Ala Leu Tyr Thr Asp Ala Phe Asn Glu
          170          175          180
Val Ile Asp Asp Phe Met Thr Arg Leu Asp Gln Leu Arg Ala Glu
          185          190          195
Ser Ala Ser Gly Asn Gln Val Ser Asp Met Ala Gln Leu Phe Tyr
          200          205          210
Tyr Phe Ala Leu Glu Ala Ile Cys Tyr Ile Leu Phe Glu Lys Arg
          215          220          225
Ile Gly Cys Leu Gln Arg Ser Ile Pro Glu Asp Thr Val Thr Phe
          230          235          240
Val Arg Ser Ile Gly Leu Met Phe Gln Asn Ser Leu Tyr Ala Thr
          245          250          255
Phe Leu Pro Lys Trp Thr Arg Pro Val Leu Pro Phe Trp Lys Arg
          260          265          270
Tyr Leu Asp Gly Trp Asn Ala Ile Phe Ser Phe Gly Lys Lys Leu
          275          280          285
Ile Asp Glu Lys Leu Glu Asp Met Glu Ala Gln Leu Gln Ala Ala
          290          295          300
Gly Pro Asp Gly Ile Gln Val Ser Gly Tyr Leu His Phe Leu Leu
          305          310          315
Ala Ser Gly Gln Leu Ser Pro Arg Glu Ala Met Gly Ser Leu Pro
          320          325          330
Glu Leu Leu Met Ala Gly Val Asp Thr Thr Ser Asn Thr Leu Thr
          335          340          345
Trp Ala Leu Tyr His Leu Ser Lys Asp Pro Glu Ile Gln Glu Ala
          350          355          360
Leu His Glu Glu Val Val Gly Val Val Pro Ala Gly Gln Val Pro
          365          370          375
Gln His Lys Asp Phe Ala His Met Pro Leu Leu Lys Ala Val Leu
          380          385          390
Lys Glu Thr Leu Arg Leu Tyr Pro Val Val Pro Thr Asn Ser Arg
          395          400          405
Ile Ile Glu Lys Glu Leu Leu Ala His Thr Leu Ser Phe Cys His

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10/86

<210> 12  
 <211> 366  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7509996CD1

<400> 12

Met	Trp	Glu	Leu	Val	Ala	Leu	Leu	Leu	Leu	Thr	Leu	Ala	Tyr	Leu	
1				5					10					15	
Phe	Trp	Pro	Lys	Arg	Arg	Cys	Pro	Gly	Ala	Lys	Tyr	Pro	Lys	Ser	
				20					25					30	
Leu	Leu	Ser	Leu	Pro	Leu	Val	Gly	Ser	Leu	Pro	Phe	Leu	Pro	Arg	
				35					40					45	
His	Gly	His	Met	His	Asn	Asn	Phe	Phe	Lys	Leu	Gln	Lys	Lys	Tyr	
				50					55					60	
Gly	Pro	Ile	Tyr	Ser	Val	Arg	Met	Gly	Thr	Lys	Thr	Thr	Val	Ile	
				65					70					75	
Val	Gly	His	His	Gln	Leu	Ala	Lys	Glu	Val	Leu	Ile	Lys	Lys	Gly	
				80					85					90	
Lys	Asp	Phe	Ser	Gly	Arg	Pro	Gln	Met	Ala	Thr	Leu	Asp	Ile	Ala	
				95					100					105	
Ser	Asn	Asn	Arg	Lys	Gly	Ile	Ala	Phe	Ala	Asp	Ser	Gly	Ala	His	
				110					115					120	
Trp	Gln	Leu	His	Arg	Arg	Leu	Ala	Met	Ala	Thr	Phe	Ala	Leu	Phe	
				125					130					135	
Lys	Asp	Gly	Asp	Gln	Lys	Leu	Glu	Lys	Ile	Ile	Cys	Gln	Glu	Ile	
				140					145					150	
Ser	Thr	Leu	Cys	Asp	Met	Leu	Ala	Thr	His	Asn	Gly	Gln	Ser	Ile	
				155					160					165	
Asp	Ile	Ser	Phe	Pro	Val	Phe	Val	Ala	Val	Thr	Asn	Val	Ile	Ser	
				170					175					180	
Leu	Ile	Cys	Phe	Asn	Thr	Ser	Tyr	Lys	Asn	Gly	Asp	Pro	Glu	Leu	
				185					190					195	
Asn	Val	Ile	Gln	Asn	Tyr	Asn	Glu	Gly	Ile	Ile	Asp	Asn	Leu	Ser	
				200					205					210	
Lys	Asp	Ser	Leu	Val	Asp	Leu	Val	Pro	Trp	Leu	Lys	Ile	Phe	Pro	
				215					220					225	
Asn	Lys	Thr	Leu	Glu	Lys	Leu	Lys	Ser	His	Val	Lys	Ile	Arg	Asn	
				230					235					240	
Asp	Leu	Leu	Asn	Lys	Ile	Leu	Glu	Asn	Tyr	Lys	Glu	Lys	Phe	Arg	
				245					250					255	
Ser	Asp	Ser	Ile	Thr	Asn	Met	Leu	Asp	Thr	Leu	Met	Gln	Ala	Lys	
				260					265					270	
Met	Asn	Ser	Asp	Asn	Gly	Asn	Ala	Gly	Pro	Asp	Gln	Asp	Ser	Glu	
				275					280					285	
Leu	Leu	Ser	Asp	Asn	His	Ile	Leu	Thr	Thr	Ile	Gly	Asp	Ile	Phe	
				290					295					300	
Gly	Ala	Gly	Val	Glu	Thr	Thr	Thr	Ser	Val	Val	Lys	Trp	Thr	Leu	
				305					310					315	
Ala	Phe	Leu	Leu	His	Asn	Pro	Gln	Val	Cys	Phe	Pro	Leu	Ile	Asp	
				320					325					330	
Pro	Arg	Pro	Gln	Pro	Ala	Gln	Ser	Leu	Gly	Ser	Arg	Glu	Arg	Glu	
				335					340					345	
Ser	Gln	Phe	Ser	Gln	Ala	Phe	Cys	Ala	Gly	Arg	Leu	Gly	Leu	Pro	
				350					355					360	
Cys	Ser	Leu	Pro	Lys	Gln										
				365											

<210> 13  
 <211> 246

<212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7510030CD1

<400> 13  
 Met Ser Arg Pro Gln Leu Arg Arg Trp Arg Leu Val Ser Ser Pro  
 1 5 10 15  
 Pro Ser Gly Val Pro Gly Leu Ala Leu Leu Ala Leu Ala Leu  
 20 25 30  
 Leu Ala Leu Arg Leu Ala Ala Gly Thr Asp Cys Pro Cys Pro Glu  
 35 40 45  
 Pro Glu Leu Cys Arg Pro Ile Arg His His Pro Asp Phe Glu Val  
 50 55 60  
 Phe Val Phe Asp Val Gly Gln Lys Thr Trp Lys Ser Tyr Asp Trp  
 65 70 75  
 Ser Gln Ile Thr Thr Val Ala Thr Phe Gly Lys Tyr Asp Ser Glu  
 80 85 90  
 Leu Met Cys Tyr Ala His Ser Lys Gly Ala Arg Val Val Leu Lys  
 95 100 105  
 Gly Asp Val Ser Leu Lys Asp Ile Ile Asp Pro Ala Phe Arg Ala  
 110 115 120  
 Ser Trp Ile Ala Gln Lys Leu Asn Leu Ala Lys Thr Gln Tyr Met  
 125 130 135  
 Asp Gly Ile Asn Ile Asp Ile Glu Gln Glu Val Asn Cys Leu Ser  
 140 145 150  
 Pro Glu Tyr Asp Ala Leu Thr Ala Leu Val Lys Glu Thr Thr Asp  
 155 160 165  
 Ser Phe His Arg Glu Ile Glu Gly Ser Gln Val Thr Phe Asp Val  
 170 175 180  
 Ala Trp Ser Pro Lys Asn Ile Asp Arg Arg Cys Tyr Asn Tyr Thr  
 185 190 195  
 Gly Ile Ala Asp Ala Cys Asp Phe Leu Phe Val Met Ser Tyr Asp  
 200 205 210  
 Glu Gln Ser Gln Ile Trp Ser Glu Cys Ile Ala Ala Ala Asn Ala  
 215 220 225  
 Pro Tyr Asn Gln Thr Leu Thr Asp Ser Glu Arg Leu His Ser Leu  
 230 235 240  
 Tyr Glu His Ile Asp Ile  
 245

<210> 14  
 <211> 463  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7510062CD1

<400> 14  
 Met Leu Gln Leu Trp Lys Val Val Arg Pro Ala Arg Gln Leu Glu  
 1 5 10 15  
 Leu His Arg Leu Ile Leu Leu Leu Ile Ala Phe Ser Leu Gly Ser  
 20 25 30  
 Met Gly Phe Leu Ala Tyr Tyr Val Ser Thr Ser Pro Lys Ala Lys  
 35 40 45  
 Glu Pro Leu Pro Leu Pro Leu Gly Asp Cys Ser Ser Gly Gly Ala  
 50 55 60  
 Ala Gly Pro Gly Pro Ala Arg Pro Pro Val Pro Pro Arg Pro Pro  
 65 70 75

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Arg Pro Pro Glu Thr Ala Arg Thr Glu Pro Val Val Leu Val Phe
      80      85      90
Val Glu Ser Ala Tyr Ser Gln Leu Gly Gln Glu Ile Val Ala Ile
      95     100     105
Leu Glu Ser Ser Arg Phe Arg Tyr Ser Thr Glu Leu Ala Pro Gly
     110     115     120
Arg Gly Asp Met Pro Thr Leu Thr Asp Asn Thr His Gly Arg Tyr
     125     130     135
Val Leu Val Ile Tyr Glu Asn Leu Leu Lys Tyr Val Asn Leu Asp
     140     145     150
Ala Trp Ser Arg Glu Leu Leu Asp Arg Tyr Cys Val Glu Tyr Gly
     155     160     165
Val Gly Ile Ile Gly Phe Phe Arg Ala His Glu His Ser Leu Leu
     170     175     180
Ser Ala Gln Leu Lys Gly Phe Pro Leu Phe Leu His Ser Asn Leu
     185     190     195
Gly Leu Arg Asp Tyr Gln Val Asn Pro Ser Ala Pro Leu Leu His
     200     205     210
Leu Thr Arg Pro Ser Arg Leu Glu Pro Gly Pro Leu Pro Gly Asp
     215     220     225
Asp Trp Thr Ile Phe Gln Ser Asn His Ser Thr Tyr Glu Pro Val
     230     235     240
Leu Leu Ala Ser Leu Arg Pro Ala Glu Pro Ala Val Pro Gly Pro
     245     250     255
Val Leu Arg Arg Ala Arg Leu Pro Thr Val Val Gln Asp Leu Gly
     260     265     270
Leu His Asp Gly Ile Gln Arg Val Leu Phe Gly His Gly Leu Ser
     275     280     285
Phe Trp Leu His Lys Leu Ile Phe Val Asp Ala Val Ala Tyr Leu
     290     295     300
Thr Gly Lys Arg Leu Cys Leu Asp Leu Asp Arg Tyr Ile Leu Val
     305     310     315
Asp Ile Asp Asp Ile Phe Val Gly Lys Glu Gly Thr Arg Met Lys
     320     325     330
Val Ala Asp Val Glu Ala Leu Leu Thr Thr Gln Asn Lys Leu Arg
     335     340     345
Thr Leu Val Pro Asn Phe Thr Phe Asn Leu Gly Phe Ser Gly Lys
     350     355     360
Phe Tyr His Thr Gly Thr Glu Glu Glu Asp Ala Gly Asp Asp Met
     365     370     375
Leu Leu Lys His Arg Lys Glu Phe Trp Trp Phe Pro His Met Trp
     380     385     390
Ser His Met Gln Pro His Leu Phe His Asn Arg Ser Val Leu Ala
     395     400     405
Asp Gln Met Arg Leu Asn Lys Gln Phe Ala Leu Val Leu Val Arg
     410     415     420
Val Tyr Ala Ile Pro Arg Ser Met Gly Phe Ala Arg Thr Trp Gly
     425     430     435
Met Leu Trp Pro Pro Thr Thr Arg Val Cys Thr Pro Ser Thr Arg
     440     445     450
Ser Ser Met Arg Pro Gly Asn Pro Cys Gly Ala Ser Arg
     455     460

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&lt;210&gt; 15

&lt;211&gt; 165

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7510217CD1

&lt;400&gt; 15

```

Met Pro Pro Pro Arg Thr Gly Arg Gly Leu Leu Trp Leu Gly Leu
 1      5      10      15
Val Leu Ser Ser Val Cys Val Ala Leu Gly Ser Glu Thr Gln Ala
 20      25      30
Asn Ser Thr Thr Asp Ala Leu Asn Val Leu Leu Ile Ile Val Asp
 35      40      45
Asp Leu Arg Pro Ser Leu Gly Cys Tyr Gly Asp Lys Leu Val Arg
 50      55      60
Ser Pro Asn Ile Asp Gln Leu Ala Ser His Ser Leu Leu Phe Gln
 65      70      75
Asn Ala Phe Ala Gln Gln Ala Val Cys Ala Pro Ser Arg Val Ser
 80      85      90
Phe Leu Thr Gly Arg Arg Pro Asp Thr Thr Arg Leu Tyr Asp Phe
 95      100     105
Asn Ser Tyr Trp Arg Val His Ala Gly Asn Phe Ser Thr Ile Pro
 110     115     120
Gln Tyr Phe Lys Glu Asn Gly Tyr Val Thr Met Ser Val Gly Lys
 125     130     135
Val Phe His Pro Ala Leu Val Gly Thr His Phe Ser Ala Glu Ser
 140     145     150
Leu Phe Ser Arg Pro Phe Ser Val Ser Ile Gly Pro Ala Ser Arg
 155     160     165

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&lt;210&gt; 16

&lt;211&gt; 227

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7510298CD1

&lt;400&gt; 16

```

Met Pro Leu His Val Lys Trp Pro Phe Pro Ala Val Pro Pro Leu
 1      5      10      15
Thr Trp Thr Leu Ala Ser Ser Val Val Met Gly Leu Val Gly Thr
 20      25      30
Tyr Ser Cys Phe Trp Thr Lys Tyr Met Asn His Leu Thr Val His
 35      40      45
Asn Arg Glu Val Leu Tyr Glu Leu Ile Glu Lys Arg Gly Pro Ala
 50      55      60
Thr Pro Leu Ile Thr Val Ser Asn His Gln Ser Cys Met Asp Asp
 65      70      75
Pro His Leu Trp Gly Ile Leu Lys Leu Arg His Ile Trp Asn Leu
 80      85      90
Lys Leu Met Arg Trp Thr Pro Ala Ala Ala Asp Ile Cys Phe Thr
 95      100     105
Lys Glu Leu His Ser His Phe Phe Ser Leu Gly Lys Cys Val Pro
 110     115     120
Val Cys Arg Gly Ala Glu Phe Phe Gln Ala Glu Asn Glu Gly Lys
 125     130     135
Gly Val Leu Asp Thr Gly Arg His Met Pro Gly Ala Gly Lys Arg
 140     145     150
Arg Glu Lys Gly Asp Gly Val Tyr Gln Lys Gly Met Asp Phe Ile
 155     160     165
Leu Glu Lys Leu Asn His Gly Asp Trp Val His Ile Phe Pro Glu
 170     175     180
Gly Lys Val Asn Met Ser Ser Glu Phe Leu Arg Phe Lys Trp Gly
 185     190     195
Lys Gly Cys Trp Ser Leu Ala Thr Ala Ile Leu Pro Ala Gln Arg
 200     205     210
Trp Pro Cys Gly Pro Leu Ala Pro Ala Pro Ser Gly Trp Leu Val

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215 220 225  
 Trp Gly  
  
 <210> 17  
 <211> 388  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7510299CD1  
  
 <400> 17  
 Met Arg Leu Arg Asn Gly Thr Phe Leu Thr Leu Leu Leu Phe Cys  
 1 5 10 15  
 Leu Cys Ala Phe Leu Ser Leu Ser Trp Tyr Ala Ala Leu Ser Gly  
 20 25 30  
 Gln Lys Gly Asp Val Val Asp Val Tyr Gln Arg Glu Phe Leu Ala  
 35 40 45  
 Leu Arg Asp Arg Leu His Ala Ala Glu Gln Glu Ser Leu Lys Arg  
 50 55 60  
 Ser Lys Glu Leu Asn Leu Val Leu Asp Glu Ile Lys Arg Ala Val  
 65 70 75  
 Ser Glu Arg Gln Ala Leu Arg Asp Gly Asp Gly Asn Arg Thr Trp  
 80 85 90  
 Gly Arg Leu Thr Glu Asp Pro Arg Leu Lys Pro Trp Asn Gly Ser  
 95 100 105  
 His Arg His Val Leu His Leu Pro Thr Val Phe His His Leu Pro  
 110 115 120  
 His Leu Leu Ala Lys Glu Ser Ser Leu Gln Pro Ala Val Arg Val  
 125 130 135  
 Gly Gln Gly Arg Thr Gly Val Ser Val Val Met Gly Ile Pro Ser  
 140 145 150  
 Val Arg Arg Glu Val His Ser Tyr Leu Thr Asp Thr Leu His Ser  
 155 160 165  
 Leu Ile Ser Glu Leu Ser Pro Gln Glu Lys Glu Asp Ser Val Ile  
 170 175 180  
 Val Val Leu Ile Ala Glu Thr Asp Ser Gln Tyr Thr Ser Ala Val  
 185 190 195  
 Thr Glu Asn Ile Lys Ala Leu Phe Pro Thr Glu Ile His Ser Gly  
 200 205 210  
 Leu Leu Glu Val Ile Ser Pro Ser Pro His Phe Tyr Pro Asp Phe  
 215 220 225  
 Ser Arg Leu Arg Glu Ser Phe Gly Asp Pro Lys Glu Arg Val Arg  
 230 235 240  
 Trp Arg Thr Lys Gln Asn Leu Asp Tyr Cys Phe Leu Met Met Tyr  
 245 250 255  
 Ala Gln Ser Lys Gly Ile Tyr Tyr Val Gln Leu Glu Asp Asp Ile  
 260 265 270  
 Val Ala Lys Pro Asn Tyr Leu Ser Thr Met Lys Asn Phe Ala Leu  
 275 280 285  
 Gln Gln Pro Ser Glu Asp Trp Met Ile Leu Glu Phe Ser Gln Leu  
 290 295 300  
 Gly Phe Ile Gly Lys Met Phe Lys Ser Leu Asp Leu Ser Leu Ile  
 305 310 315  
 Val Glu Phe Ile Leu Met Phe Tyr Arg Asp Lys Pro Ile Asp Trp  
 320 325 330  
 Leu Leu Asp His Ile Leu Trp Val Lys Val Cys Asn Pro Glu Lys  
 335 340 345  
 Asp Ala Val Ser Lys Ser Trp Arg Asp Trp Gln Gly Gln Gly Gln  
 350 355 360  
 Gly Ala Gly Ser Leu His Pro Lys Leu Cys Pro Cys Pro Cys Ile

365  
 Cys Ser His Arg Ala Leu Ser Ala Val Gly Gly Pro Trp 375  
 380 385

<210> 18  
 <211> 81  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7510368CD1

<400> 18  
 Met Gly Arg Thr Val Val Val Leu Gly Gly Gly Ile Ser Gly Leu  
 1 5 10 15  
 Ala Ala Ser Tyr His Leu Ser Arg Ala Pro Cys Pro Pro Lys Val  
 20 25 30  
 Val Leu Val Glu Ser Ser Glu Arg Leu Gly Gly Trp Ile Arg Ser  
 35 40 45  
 Val Arg Gly Pro Asn Gly Ala Ile Phe Glu Leu Gly Pro Arg Gly  
 50 55 60  
 Ile Arg Pro Ala Gly Ala Leu Gly Ala Arg Thr Leu Leu Leu Val  
 65 70 75  
 Arg Gly Leu Trp Asp Val  
 80

<210> 19  
 <211> 412  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7510369CD1

<400> 19  
 Met Gly Arg Thr Val Val Val Leu Gly Gly Gly Ile Ser Gly Leu  
 1 5 10 15  
 Ala Ala Ser Tyr His Leu Ser Arg Ala Pro Cys Pro Pro Lys Val  
 20 25 30  
 Val Leu Val Glu Ser Ser Glu Arg Leu Gly Gly Trp Ile Arg Ser  
 35 40 45  
 Val Arg Gly Pro Asn Gly Ala Ile Phe Glu Leu Gly Pro Arg Gly  
 50 55 60  
 Ile Arg Pro Ala Gly Ala Leu Gly Ala Arg Thr Leu Leu Leu Val  
 65 70 75  
 Ser Glu Leu Gly Leu Asp Ser Glu Val Leu Pro Val Arg Gly Asp  
 80 85 90  
 His Pro Ala Ala Gln Asn Arg Phe Leu Tyr Val Gly Gly Ala Leu  
 95 100 105  
 His Ala Leu Pro Thr Gly Leu Arg Gly Leu Leu Arg Pro Ser Pro  
 110 115 120  
 Pro Phe Ser Lys Pro Leu Phe Trp Ala Gly Leu Arg Glu Leu Thr  
 125 130 135  
 Lys Pro Arg Gly Lys Glu Pro Asp Glu Thr Val His Ser Phe Ala  
 140 145 150  
 Gln Arg Arg Leu Gly Pro Glu Val Ala Ser Leu Ala Met Asp Ser  
 155 160 165  
 Leu Cys Arg Gly Val Phe Ala Gly Asn Ser Arg Glu Leu Ser Ile  
 170 175 180  
 Arg Ser Cys Phe Pro Ser Leu Phe Gln Ala Glu Gln Thr His Arg  
 185 190 195



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Ser Ile Leu Leu Gly Leu Leu Leu Gly Ala Gly Arg Thr Pro Gln
200 205 210
Pro Asp Ser Ala Leu Ile Arg Gln Ala Leu Ala Glu Arg Trp Ser
215 220 225
Gln Trp Ser Leu Arg Gly Gly Leu Glu Met Leu Pro Gln Ala Leu
230 235 240
Glu Thr His Leu Thr Ser Arg Gly Val Ser Val Leu Arg Gly Gln
245 250 255
Pro Val Cys Gly Leu Ser Leu Gln Ala Glu Gly Arg Trp Lys Val
260 265 270
Ser Leu Arg Asp Ser Ser Leu Glu Ala Asp His Val Ile Ser Ala
275 280 285
Ile Pro Ala Ser Val Leu Ser Glu Leu Leu Pro Ala Glu Ala Ala
290 295 300
Pro Leu Ala Arg Ala Leu Ser Ala Ile Thr Ala Val Ser Val Ala
305 310 315
Val Val Asn Leu Gln Tyr Gln Gly Ala His Leu Pro Val Gln Gly
320 325 330
Phe Gly His Leu Val Pro Ser Ser Glu Asp Pro Gly Val Leu Gly
335 340 345
Ile Val Tyr Asp Ser Val Ala Phe Pro Glu Gln Asp Gly Ser Pro
350 355 360
Pro Gly Leu Arg Val Thr Val Arg Arg Arg Lys Leu Cys Leu Val
365 370 375
Ala Phe Pro Glu Gly Ser Ser Val Leu His Cys Arg Gln Gly Gln
380 385 390
Thr Asp Gln Cys Tyr Ile Pro Ser Leu Gly Asp Ala Gly Arg Phe
395 400 405
Leu Val Thr Asp Thr Gly Gly
410

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&lt;210&gt; 20

&lt;211&gt; 324

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7510377CD1

&lt;400&gt; 20

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Met Ala Thr Ser Thr Gly Arg Trp Leu Leu Leu Arg Leu Ala Leu
1 5 10 15
Phe Gly Phe Leu Trp Glu Ala Ser Gly Gly Leu Asp Ser Gly Ala
20 25 30
Ser Arg Asp Asp Asp Leu Leu Leu Pro Tyr Pro Arg Ala Arg Ala
35 40 45
Arg Leu Pro Arg Asp Cys Thr Arg Val Arg Ala Gly Asn Arg Glu
50 55 60
His Glu Ser Trp Pro Pro Pro Ala Thr Pro Gly Ala Gly Gly
65 70 75
Leu Ala Val Arg Thr Phe Val Ser His Phe Arg Asp Arg Ala Val
80 85 90
Ala Gly His Leu Thr Arg Ala Val Glu Pro Leu Arg Thr Phe Ser
95 100 105
Val Leu Glu Pro Gly Gly Pro Gly Gly Cys Ala Ala Arg Arg Arg
110 115 120
Ala Thr Val Glu Glu Thr Ala Arg Ala Ala Asp Cys Arg Val Ala
125 130 135
Gln Asn Gly Gly Phe Phe Arg Met Asn Ser Gly Glu Cys Leu Gly
140 145 150
Asn Val Val Ser Asp Glu Arg Arg Val Ser Ser Ser Gly Gly Leu
155 160 165

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Gln	Asn	Ala	Gln	Phe	Gly	Ile	Arg	Arg	Asp	Gly	Thr	Leu	Val	Thr			
				170					175					180			
Gly	Tyr	Leu	Ser	Glu	Glu	Glu	Val	Leu	Asp	Thr	Glu	Asn	Pro	Phe			
				185					190					195			
Val	Gln	Leu	Leu	Ser	Gly	Val	Val	Trp	Leu	Ile	Arg	Asn	Gly	Ser			
				200					205					210			
Ile	Tyr	Ile	Asn	Glu	Ser	Gln	Ala	Thr	Glu	Cys	Asp	Glu	Thr	Gln			
				215					220					225			
Glu	Thr	Gly	Ser	Phe	Ser	Lys	Phe	Val	Asn	Val	Ile	Ser	Ala	Arg			
				230					235					240			
Thr	Ala	Ile	Gly	His	Asp	Arg	Lys	Gly	Gln	Leu	Val	Leu	Phe	His			
				245					250					255			
Ala	Asp	Gly	Gln	Thr	Glu	Gln	Arg	Gly	Ile	Asn	Leu	Trp	Glu	Met			
				260					265					270			
Ala	Glu	Phe	Leu	Leu	Lys	Gln	Asp	Val	Val	Asn	Ala	Ile	Asn	Leu			
				275					280					285			
Asp	Gly	Gly	Gly	Ser	Ala	Thr	Phe	Val	Leu	Asn	Gly	Thr	Leu	Ala			
				290					295					300			
Ser	Tyr	Pro	Ser	Ser	Asp	His	Cys	Cys	Ser	Gly	Gly	Ser	Gly	Gly	Arg		
				305					310					315			
Ile	Ala	Ile	Pro	His	Leu	Lys	Asn	Arg									
				320													

&lt;210&gt; 21

&lt;211&gt; 1041

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7510026CD1

&lt;400&gt; 21

Met	Asn	Asn	Asn	Trp	Asn	Val	Cys	Phe	Phe	Leu	Phe	Cys	Pro	Ser			
1				5					10					15			
Ile	Thr	Arg	Thr	Phe	Ala	Ser	Gly	Lys	Thr	Glu	Lys	Val	Ile	Phe			
				20					25					30			
Gln	Ala	Leu	Lys	Glu	Leu	Gly	Leu	Pro	Ser	Gly	Lys	Asn	Asp	Glu			
				35					40					45			
Ile	Glu	Pro	Thr	Ala	Phe	Ser	Tyr	Glu	Lys	Phe	Tyr	Glu	Leu	Thr			
				50					55					60			
Gln	Lys	Ile	Cys	Pro	Arg	Thr	Asp	Ile	Glu	Asp	Leu	Phe	Lys	Lys			
				65					70					75			
Ile	Asn	Gly	Asp	Lys	Thr	Asp	Tyr	Leu	Thr	Val	Asp	Gln	Leu	Val			
				80					85					90			
Ser	Phe	Leu	Asn	Glu	His	Gln	Arg	Asp	Pro	Arg	Leu	Asn	Glu	Ile			
				95					100					105			
Leu	Phe	Pro	Phe	Tyr	Asp	Ala	Lys	Arg	Ala	Met	Gln	Ile	Ile	Glu			
				110					115					120			
Met	Tyr	Glu	Pro	Asp	Glu	Asp	Leu	Lys	Lys	Lys	Gly	Leu	Ile	Ser			
				125					130					135			
Ser	Asp	Gly	Phe	Cys	Arg	Tyr	Leu	Met	Ser	Asp	Glu	Asn	Ala	Pro			
				140					145					150			
Val	Phe	Leu	Asp	Arg	Leu	Glu	Leu	Tyr	Gln	Glu	Met	Asp	His	Pro			
				155					160					165			
Leu	Ala	His	Tyr	Phe	Ile	Ser	Ser	Ser	His	Asn	Thr	Tyr	Leu	Thr			
				170					175					180			
Gly	Arg	Gln	Phe	Gly	Gly	Lys	Ser	Ser	Val	Glu	Met	Tyr	Arg	Gln			
				185					190					195			
Val	Leu	Leu	Ala	Gly	Cys	Arg	Cys	Val	Glu	Leu	Asp	Cys	Trp	Asp			
				200					205					210			
Gly	Lys	Gly	Glu	Asp	Gln	Glu	Pro	Ile	Ile	Thr	His	Gly	Lys	Ala			
				215					220					225			

Met Cys Thr Asp	Ile Leu Phe Lys Asp	Val Ile Gln Ala Ile Lys	230	235	240
Glu Thr Ala Phe	Val Thr Ser Glu Tyr	Pro Val Ile Leu Ser Phe	245	250	255
Glu Asn His Cys	Ser Lys Tyr Gln Gln	Tyr Lys Met Ser Lys Tyr	260	265	270
Cys Glu Asp Leu	Phe Gly Asp Leu Leu	Leu Lys Gln Ala Leu Glu	275	280	285
Ser His Pro Leu	Glu Pro Gly Arg Ala	Leu Pro Ser Pro Asn Asp	290	295	300
Leu Lys Arg Lys	Ile Leu Ile Lys Asn	Lys Arg Leu Lys Pro Glu	305	310	315
Val Glu Lys Lys	Gln Leu Glu Ala Leu	Arg Ser Met Met Glu Ala	320	325	330
Gly Glu Ser Ala	Ser Pro Ala Asn Ile	Leu Glu Asp Asp Asn Glu	335	340	345
Glu Glu Ile Glu	Ser Ala Asp Gln Glu	Glu Glu Ala His Pro Glu	350	355	360
Phe Lys Phe Gly	Asn Glu Leu Ser Ala	Asp Asp Leu Gly His Lys	365	370	375
Glu Ala Val Ala	Asn Ser Val Lys Lys	Gly Leu Val Thr Val Glu	380	385	390
Asp Glu Gln Ala	Trp Met Ala Ser Tyr	Lys Tyr Val Gly Ala Thr	395	400	405
Thr Asn Ile His	Pro Tyr Leu Ser Thr	Met Ile Asn Tyr Ala Gln	410	415	420
Pro Val Lys Phe	Gln Gly Phe His Val	Ala Glu Glu Arg Asn Ile	425	430	435
His Tyr Asn Met	Ser Ser Phe Asn Glu	Ser Val Gly Leu Gly Tyr	440	445	450
Leu Lys Thr His	Ala Ile Glu Phe Val	Asn Tyr Asn Lys Arg Gln	455	460	465
Met Ser Arg Ile	Tyr Pro Lys Gly Gly	Arg Val Asp Ser Ser Asn	470	475	480
Tyr Met Pro Gln	Ile Phe Trp Asn Ala	Gly Cys Gln Met Val Ser	485	490	495
Leu Asn Tyr Gln	Thr Pro Asp Leu Ala	Met Gln Leu Asn Gln Gly	500	505	510
Lys Phe Glu Tyr	Asn Gly Ser Cys Gly	Tyr Leu Leu Lys Pro Asp	515	520	525
Phe Met Arg Arg	Pro Asp Arg Thr Phe	Asp Pro Phe Ser Glu Thr	530	535	540
Pro Val Asp Gly	Val Ile Ala Ala Thr	Cys Ser Val Gln Val Ile	545	550	555
Ser Gly Gln Phe	Leu Ser Asp Lys Lys	Ile Gly Thr Tyr Val Glu	560	565	570
Val Asp Met Tyr	Gly Leu Pro Thr Asp	Thr Ile Arg Lys Glu Phe	575	580	585
Arg Thr Arg Met	Val Met Asn Asn Gly	Leu Asn Pro Val Tyr Asn	590	595	600
Glu Glu Ser Phe	Val Phe Arg Lys Val	Ile Leu Pro Asp Leu Ala	605	610	615
Val Leu Arg Ile	Ala Val Tyr Asp Asp	Asn Asn Lys Leu Ile Gly	620	625	630
Gln Arg Ile Leu	Pro Leu Asp Gly Leu	Gln Ala Gly Tyr Arg His	635	640	645
Ile Ser Leu Arg	Asn Glu Gly Asn Lys	Pro Leu Ser Leu Pro Thr	650	655	660
Ile Phe Cys Asn	Ile Val Leu Lys Thr	Tyr Val Pro Asp Gly Phe	665	670	675
Gly Asp Ile Val	Asp Ala Leu Ser Asp	Pro Lys Lys Phe Leu Ser	680	685	690
Ile Thr Glu Lys	Arg Ala Asp Gln Met	Arg Ala Met Gly Ile Glu			

Thr Ser Asp Ile	695	Asp Val Pro Ser	700	Thr Ser Lys Asn	705
	710		715		720
Lys Lys Gly Lys	725	Ala Asn Thr Ala Lys	730	Ala Asn Val Thr Pro	735
	740		745		750
Ser Ser Ser Glu	755	Leu Arg Pro Thr Thr	760	Thr Ala Ala Leu Ala	765
	770		775		780
Gly Val Glu Ala	785	Lys Lys Gly Ile Glu	790	Leu Ile Pro Gln Val	795
	800		805		810
Ile Glu Asp Leu	815	Lys Gln Met Lys Ala	820	Tyr Leu Lys His Leu	825
	830		835		840
Lys Gln Gln Lys	845	Glu Leu Asn Ser Leu	850	Lys Lys Lys His Ala	855
	860		865		870
Glu His Ser Thr	875	Met Gln Lys Leu His	880	Cys Thr Gln Val Asp	885
	890		895		900
Ile Val Ala Gln	905	Tyr Asp Lys Glu Lys	910	Ser Thr His Glu Lys	915
	920		925		930
Leu Glu Lys Ala	935	Met Lys Lys Lys Gly	940	Gly Ser Asn Cys Leu	945
	950		955		960
Met Lys Lys Glu	965	Thr Glu Ile Lys Ile	970	Gln Thr Leu Thr Ser	975
	980		985		990
His Lys Ser Lys	995	Val Lys Glu Ile Val	1000	Ala Gln His Thr Lys	1005
	1010		1015		1020
Trp Ser Glu Met	1025	Ile Asn Thr His Ser	1030	Ala Glu Glu Gln Glu	1035
Arg Asp Leu His		Leu Ser Gln Gln Cys		Glu Leu Leu Lys Lys	
Leu Ile Asn Ala		His Glu Gln Gln Thr		Gln Gln Leu Lys Leu	
His Asp Arg Glu		Ser Lys Glu Met Arg		Ala His Gln Ala Lys	
Ser Met Glu Asn		Ser Lys Ala Ile Ser		Gln Asp Lys Ser Ile	
Asn Lys Ala Glu		Arg Glu Arg Arg Val		Arg Glu Leu Asn Ser	
Asn Thr Lys Lys		Phe Leu Glu Glu Arg		Lys Arg Leu Ala Met	
Gln Ser Lys Glu		Met Asp Gln Leu Lys		Lys Val Gln Leu Glu	
Leu Glu Phe Leu		Glu Lys Gln Asn Glu		Gln Leu Leu Lys Ser	
His Ala Val Ser		Gln Thr Gln Gly Glu		Gly Asp Ala Ala Asp	
Glu Ile Gly Ser		Arg Asp Gly Pro Gln		Thr Ser Asn Ser Ser	
Lys Leu Gln Asn		Ala Asn			

&lt;210&gt; 22

&lt;211&gt; 32

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509168CD1

&lt;400&gt; 22

Met Ala Gly Lys Pro Lys Leu His Tyr Phe Asn Gly Arg Gly Arg

1

5

10

15

Met Glu Pro Ile Arg Trp Leu Leu Ala Ala Gly Val Glu Met

20

25

30

Gly Val

<210> 23  
 <211> 128  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7500607CD1

<400> 23  
 Met Ala Glu Ala His Gln Ala Val Ala Phe Gln Phe Thr Val Thr  
 1 5 10 15  
 Pro Asp Gly Val Asp Phe Arg Leu Ser Arg Glu Ala Leu Lys His  
 20 25 30  
 Val Tyr Leu Ser Gly Ile Asn Ser Trp Lys Lys Arg Leu Ile Arg  
 35 40 45  
 Ile Lys Asn Gly Ile Leu Arg Gly Val Tyr Pro Gly Ser Pro Thr  
 50 55 60  
 Ser Trp Leu Val Val Ile Met Ala Thr Val Gly Ser Ser Phe Cys  
 65 70 75  
 Asn Val Asp Ile Ser Leu Gly Leu Val Trp Pro Leu Pro Asp Pro  
 80 85 90  
 Ala Asp Pro Gly Thr Ser Gln His Gly His Leu Leu His Gly Arg  
 95 100 105  
 Leu Gly Asp Gly His Leu Leu Leu Pro Pro Asn Pro Glu Ala Ala  
 110 115 120  
 Ser Leu Leu Pro Trp Val Asp Val  
 125

<210> 24  
 <211> 362  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7506079CD1

<400> 24  
 Met Leu Lys Phe Arg Thr Val His Gly Gly Leu Arg Leu Leu Gly  
 1 5 10 15  
 Ile Arg Arg Thr Ser Thr Ala Pro Ala Ser Pro Asn Val Arg  
 20 25 30  
 Arg Leu Glu Tyr Lys Pro Thr Met Lys Ser Gly Asn Ser Asp Val  
 35 40 45  
 Tyr Glu Asn Glu Ile Pro Gly Gly Gln Tyr Thr Asn Leu His Phe  
 50 55 60  
 Gln Ala His Ser Met Gly Leu Gly Ser Lys Phe Lys Glu Val Lys  
 65 70 75  
 Lys Ala Tyr Val Glu Ala Asn Gln Met Leu Gly Asp Leu Ile Lys  
 80 85 90  
 Val Thr Pro Ser Ser Lys Ile Val Gly Asp Leu Ala Gln Phe Met  
 95 100 105  
 Val Gln Asn Gly Leu Ser Arg Ala Glu Ala Glu Ala Gln Ala Glu  
 110 115 120  
 Glu Leu Ser Phe Pro Arg Ser Val Val Glu Phe Leu Gln Gly Tyr  
 125 130 135  
 Ile Gly Val Pro His Gly Gly Phe Pro Glu Pro Phe Arg Ser Lys  
 140 145 150  
 Val Leu Lys Asp Leu Pro Arg Val Glu Gly Arg Pro Gly Ala Ser  
 155 160 165

<400> 25														
Met	Gly	Leu	Pro	Gln	Pro	Gly	Leu	Trp	Leu	Lys	Arg	Leu	Trp	Val
1				5					10					15
Leu	Leu	Glu	Val	Ala	Val	His	Val	Val	Val	Gly	Lys	Val	Leu	Leu
				20					25					30
Ile	Leu	Phe	Pro	Asp	Arg	Val	Lys	Arg	Asn	Ile	Leu	Ala	Met	Gly
				35					40					45
Glu	Lys	Thr	Gly	Asn	Arg	Pro	Leu	Val	Leu	Asn	Phe	Gly	Ser	Cys
				50					55					60
Thr	Xaa	Pro	Ser	Phe	Met	Phe	Lys	Phe	Asp	Gln	Phe	Lys	Arg	Leu
				65					70					75
Ile	Glu	Asp	Phe	Ser	Ser	Ile	Ala	Asp	Phe	Leu	Val	Ile	Tyr	Ile
				80					85					90
Glu	Glu	Ala	His	Ala	Ser	Asp	Gly	Trp	Ala	Phe	Lys	Asn	Asn	Met
				95					100					105
Asp	Ile	Arg	Asn	His	Gln	Asn	Leu	Gln	Asp	Arg	Leu	Gln	Ala	Ala
				110					115					120
His	Leu	Leu	Leu	Ala	Arg	Ser	Pro	Gln	Cys	Pro	Val	Val	Val	Asp
				125					130					135
Thr	Met	Gln	Asn	Gln	Ser	Ser	Gln	Leu	Tyr	Ala	Ala	Leu	Pro	Glu

Arg Leu Tyr Ile	140	Ile Gln Glu Gly Arg	145	Ile Leu Tyr Lys Gly Lys	150
	155		160		165
Ser Gly Pro Trp	170	Asn Tyr Asn Pro Glu	175	Glu Val Arg Ala Val	180
Glu Lys Leu His	185	Ser			

<210> 26  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7509263CD1

<400> 26

Met Ser His His Trp	Gly Tyr Gly Lys His Asn Gly Pro Glu His
1	5 10 15
Trp His Lys Asp Phe	Pro Ile Ala Lys Gly Glu Arg Gln Ser Pro
	20 25 30
Val Asp Ile Asp Thr	His Thr Ala Lys Tyr Asp Pro Ser Leu Lys
	35 40 45
Pro Leu Ser Val Ser	Tyr Asp Gln Ala Thr Ser Leu Arg Ile Leu
	50 55 60
Asn Asn Gly His Ala	Phe Asn Val Glu Phe Asp Asp Ser Gln Asp
	65 70 75
Lys Ala Ala Ser Leu	Gly Ser Leu Glu His Gln Ile Trp Gly Phe
	80 85 90
Trp Glu Ser Cys Ala	Ala Thr
	95

<210> 27  
 <211> 217  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7509360CD1

<400> 27

Met Leu Ala Lys Gly	Leu Pro Pro Arg Ser Val Leu Val Lys Gly
1	5 10 15
Cys Gln Thr Phe Leu	Ser Ala Pro Arg Glu Gly Leu Gly Arg Leu
	20 25 30
Arg Val Pro Thr Gly	Glu Gly Ala Gly Ile Ser Thr Arg Ser Pro
	35 40 45
Arg Pro Phe Asn Glu	Ile Pro Ser Pro Gly Asp Asn Gly Trp Leu
	50 55 60
Asn Leu Tyr His Phe	Trp Arg Glu Thr Gly Thr His Lys Val His
	65 70 75
Leu His His Val Gln	Asn Phe Gln Lys Tyr Gly Pro Ile Tyr Arg
	80 85 90
Glu Lys Leu Gly Asn	Val Glu Ser Val Tyr Val Ile Asp Pro Glu
	95 100 105
Asp Val Ala Leu Leu	Phe Lys Ser Glu Gly Pro Asn Pro Glu Arg
	110 115 120
Phe Leu Ile Pro Pro	Trp Val Ala Tyr His Gln Tyr Tyr Gln Arg
	125 130 135
Pro Ile Gly Val Leu	Leu Lys Lys Ser Ala Ala Trp Lys Lys Asp
	140 145 150

Arg	Val	Ala	Leu	Asn	Gln	Glu	Val	Met	Ala	Pro	Glu	Ala	Thr	Lys
				155					160					165
Asn	Phe	Leu	Pro	Leu	Leu	Asp	Ala	Val	Ser	Arg	Asp	Phe	Val	Ser
				170					175					180
Val	Leu	His	Arg	Arg	Ile	Lys	Lys	Ala	Gly	Ser	Gly	Asn	Tyr	Ser
				185					190					195
Gly	Asp	Ile	Ser	Asp	Asp	Leu	Phe	Arg	Phe	Ala	Phe	Lys	Val	His
				200					205					210
Asp	Pro	Ala	Val	Ala	Leu	Val								
				215										

&lt;210&gt; 28

&lt;211&gt; 189

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509394CD1

&lt;400&gt; 28

Met	Ile	Asn	Met	Gly	Asp	Ser	His	Val	Asp	Thr	Ser	Ser	Thr	Val
1				5					10					15
Ser	Glu	Ala	Val	Ala	Glu	Glu	Val	Ser	Leu	Phe	Ser	Met	Thr	Asp
				20					25					30
Met	Ile	Leu	Phe	Ser	Leu	Ile	Val	Gly	Leu	Leu	Thr	Tyr	Trp	Phe
				35					40					45
Leu	Phe	Arg	Lys	Lys	Lys	Glu	Glu	Val	Pro	Glu	Phe	Thr	Lys	Ile
				50					55					60
Gln	Thr	Leu	Thr	Ser	Ser	Val	Arg	Glu	Ser	Ser	Phe	Val	Glu	Lys
				65					70					75
Met	Lys	Lys	Thr	Gly	Arg	Asn	Ile	Ile	Val	Phe	Tyr	Gly	Ser	Gln
				80					85					90
Thr	Gly	Thr	Ala	Glu	Glu	Phe	Ala	Asn	Arg	Leu	Ser	Lys	Asp	Ala
				95					100					105
His	Arg	Tyr	Gly	Met	Arg	Gly	Met	Ser	Ala	Asp	Pro	Glu	Glu	Tyr
				110					115					120
Asp	Leu	Ala	Asp	Leu	Ser	Ser	Leu	Pro	Glu	Ile	Asp	Asn	Ala	Leu
				125					130					135
Val	Val	Phe	Cys	Met	Ala	Thr	Tyr	Gly	Glu	Gly	Asp	Pro	Thr	Asp
				140					145					150
Asn	Ala	Gln	Asp	Phe	Tyr	Asp	Trp	Leu	Gln	Glu	Thr	Asp	Val	Asp
				155					160					165
Leu	Ser	Gly	Val	Lys	Phe	Ala	Leu	Gly	Gly	Gly	Leu	His	His	Leu
				170					175					180
Ala	Arg	Ala	Val	Leu	Ala	Gly	Arg	Val						
				185										

&lt;210&gt; 29

&lt;211&gt; 189

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7581076CD1

&lt;400&gt; 29

Met	Glu	Phe	Asp	Cys	Glu	Gly	Leu	Arg	Arg	Leu	Leu	Gly	Lys	Gly
1				5					10					15
Ile	Ala	Asp	Arg	Leu	Val	Leu	Leu	Asp	Leu	Ser	Glu	Gly	Thr	Lys
				20					25					30
Gly	Ala	Thr	Met	Asp	Leu	Glu	Ile	Phe	Asn	Leu	Pro	Asn	Val	Glu



Ile	Ser	Lys	Asp	Leu	Ser	Ala	Ser	Ala	His	Ser	Lys	Val	Val	Ile
				35					40					45
Phe	Thr	Val	Asn	Ser	Leu	Gly	Ser	Ser	Gln	Ser	Tyr	Leu	Asp	Val
				50					55					60
Val	Gln	Ser	Asn	Val	Asp	Met	Phe	Arg	Ala	Leu	Val	Pro	Ala	Leu
				65					70					75
Gly	His	Tyr	Ser	Gln	His	Ser	Val	Leu	Leu	Val	Ala	Ser	Gln	Pro
				80					85					90
Val	Glu	Ile	Met	Thr	Tyr	Val	Thr	Trp	Lys	Leu	Ser	Thr	Phe	Pro
				95					100					105
Ala	Asn	Arg	Val	Ile	Gly	Ile	Gly	Cys	Asn	Leu	Asp	Ser	Gln	Arg
				110					115					120
Leu	Gln	Tyr	Ile	Ile	Thr	Asn	Val	Leu	Lys	Ala	Gln	Thr	Ser	Gly
				125					130					135
Lys	Glu	Val	Trp	Val	Ile	Gly	Glu	Gln	Gly	Glu	Asp	Lys	Val	Leu
				140					145					150
Thr	Trp	Ser	Gly	Gln	Glu	Glu	Val	Val	Ser	His	Thr	Ser	Gln	Val
				155					160					165
Gln	Leu	Ser	Asn	Arg	Asp	Ile	Met	Ile						180
				170					175					
				185										

&lt;210&gt; 30

&lt;211&gt; 73

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7504551CD1

&lt;400&gt; 30

Met	Ala	Ala	Leu	Arg	Ala	Leu	Cys	Gly	Phe	Arg	Gly	Val	Ala	Ala
1				5					10					15
Gln	Val	Leu	Arg	Pro	Gly	Ala	Gly	Val	Arg	Leu	Pro	Ile	Gln	Pro
				20					25					30
Ser	Arg	Cys	Gly	Pro	Ser	Lys	Gly	His	Asn	Cys	Glu	Glu	His	Tyr
				35					40					45
Pro	Glu	Leu	Trp	Ala	Pro	Thr	Pro	Ser	Ser	Ala	Trp	Cys	Pro	Ala
				50					55					60
Thr	Ser	Asp	Gly	Ile	Glu	Trp	Gly	Asp	Gly	Ala	Glu	Val		
				65					70					

&lt;210&gt; 31

&lt;211&gt; 115

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7500652CD1

&lt;400&gt; 31

Met	Gly	Asp	Arg	Gly	Ser	Ser	Arg	Arg	Arg	Arg	Thr	Gly	Ser	Arg
1				5					10					15
Pro	Ser	Ser	His	Gly	Gly	Gly	Gly	Pro	Ala	Ala	Ala	Glu	Glu	Glu
				20					25					30
Val	Arg	Asp	Ala	Ala	Ala	Gly	Pro	Asp	Val	Gly	Ala	Ala	Gly	Asp
				35					40					45
Ala	Pro	Ala	Pro	Ala	Pro	Asn	Lys	Asp	Gly	Asp	Ala	Gly	Val	Gly
				50					55					60
Ser	Gly	His	Trp	Glu	Leu	Arg	Cys	His	Arg	Leu	Gln	Asp	Ser	Leu
				65					70					75

Phe	Ser	Ser	Asp	Ser	Gly	Phe	Ser	Asn	Tyr	Arg	Gly	Ile	Leu	Asn	
			80						85					90	
Trp	Cys	Val	Val	Met	Leu	Val	Trp	His	Pro	Gly	Gly	Pro	His	Pro	
			95						100					105	
Gly	Gly	Phe	Ser	Val	Pro	Glu	Gly	Ser	Leu						
			110						115						

&lt;210&gt; 32

&lt;211&gt; 403

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7500900CD1

&lt;400&gt; 32

Met	Glu	Leu	Glu	Val	Arg	Arg	Val	Arg	Gln	Ala	Phe	Leu	Ser	Gly	
1				5					10					15	
Arg	Ser	Arg	Pro	Leu	Arg	Phe	Arg	Leu	Gln	Gln	Leu	Glu	Ala	Leu	
			20						25					30	
Arg	Arg	Met	Val	Gln	Glu	Arg	Glu	Lys	Asp	Ile	Leu	Thr	Ala	Ile	
			35						40					45	
Ala	Ala	Asp	Leu	Cys	Lys	Ser	Glu	Phe	Asn	Val	Tyr	Ser	Gln	Glu	
			50						55					60	
Val	Ile	Thr	Val	Leu	Gly	Glu	Ile	Asp	Phe	Met	Leu	Glu	Asn	Leu	
			65						70					75	
Pro	Glu	Trp	Val	Thr	Ala	Lys	Pro	Val	Lys	Lys	Asn	Val	Leu	Thr	
			80						85					90	
Met	Leu	Asp	Glu	Ala	Tyr	Ile	Gln	Pro	Gln	Pro	Leu	Gly	Val	Val	
			95						100					105	
Leu	Ile	Ile	Gly	Ala	Trp	Asn	Tyr	Pro	Phe	Val	Leu	Thr	Ile	Gln	
			110						115					120	
Pro	Leu	Ile	Gly	Ala	Ile	Ala	Ala	Gly	Asn	Ala	Val	Ile	Ile	Lys	
			125						130					135	
Pro	Ser	Glu	Leu	Ser	Glu	Asn	Thr	Ala	Lys	Ile	Leu	Ala	Lys	Leu	
			140						145					150	
Leu	Pro	Gln	Tyr	Leu	Asp	Gln	Asp	Leu	Tyr	Ile	Val	Ile	Asn	Gly	
			155						160					165	
Gly	Val	Glu	Glu	Thr	Thr	Glu	Leu	Leu	Lys	Gln	Arg	Phe	Asp	His	
			170						175					180	
Ile	Phe	Tyr	Thr	Gly	Asn	Thr	Ala	Val	Gly	Lys	Ile	Val	Met	Glu	
			185						190					195	
Ala	Ala	Ala	Lys	His	Leu	Thr	Pro	Val	Thr	Leu	Glu	Leu	Gly	Gly	
			200						205					210	
Lys	Ser	Pro	Cys	Tyr	Ile	Asp	Lys	Asp	Cys	Asp	Leu	Asp	Ile	Val	
			215						220					225	
Cys	Arg	Arg	Ile	Thr	Trp	Gly	Lys	Tyr	Met	Asn	Cys	Gly	Gln	Thr	
			230						235					240	
Cys	Ile	Ala	Pro	Asp	Tyr	Ile	Leu	Cys	Glu	Ala	Ser	Leu	Gln	Asn	
			245						250					255	
Gln	Ile	Val	Trp	Lys	Ile	Lys	Glu	Thr	Val	Lys	Glu	Phe	Tyr	Gly	
			260						265					270	
Glu	Asn	Ile	Lys	Glu	Ser	Pro	Asp	Tyr	Glu	Arg	Ile	Ile	Asn	Leu	
			275						280					285	
Arg	His	Phe	Lys	Arg	Ile	Leu	Ser	Leu	Leu	Glu	Gly	Gln	Lys	Ile	
			290						295					300	
Ala	Phe	Gly	Gly	Glu	Thr	Asp	Glu	Ala	Thr	Arg	Tyr	Ile	Ala	Pro	
			305						310					315	
Thr	Val	Leu	Thr	Asp	Val	Asp	Pro	Lys	Thr	Lys	Val	Met	Gln	Glu	
			320						325					330	
Glu	Ile	Phe	Gly	Pro	Ile	Leu	Pro	Ile	Val	Pro	Val	Lys	Asn	Val	
			335						340					345	

Asp	Glu	Ala	Ile	Asn	Phe	Ile	Asn	Glu	Arg	Glu	Lys	Pro	Leu	Ala	
				350					355					360	
Leu	Tyr	Val	Phe	Ser	His	Asn	His	Lys	Leu	Ile	Lys	Arg	Met	Ile	
				365					370					375	
Asp	Glu	Thr	Ser	Ser	Gly	Gly	Val	Thr	Gly	Asn	Asp	Val	Ile	Met	
				380					385					390	
His	Phe	Thr	Leu	Asn	Ser	Phe	Pro	Phe	Gly	Gly	Val	Gly			
				395					400						

&lt;210&gt; 33

&lt;211&gt; 165

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7501398CD1

&lt;400&gt; 33

Met	Arg	Gly	Glu	Gln	Gly	Ala	Ala	Gly	Ala	Arg	Val	Leu	Gln	Phe	
1				5					10					15	
Thr	Asn	Cys	Arg	Ile	Leu	Arg	Gly	Gly	Lys	Leu	Leu	Arg	Glu	Asp	
				20					25					30	
Leu	Trp	Val	Arg	Gly	Gly	Arg	Ile	Leu	Asp	Pro	Glu	Lys	Leu	Phe	
				35					40					45	
Phe	Glu	Glu	Arg	Arg	Val	Ala	Asp	Glu	Arg	Arg	Asp	Cys	Gly	Gly	
				50					55					60	
Arg	Ile	Leu	Ala	Pro	Gly	Phe	Ile	Asp	Val	Gln	Ile	Asn	Gly	Gly	
				65					70					75	
Phe	Gly	Val	Asp	Phe	Ser	Gln	Ala	Thr	Glu	Asp	Val	Gly	Ser	Gly	
				80					85					90	
Val	Ala	Leu	Val	Ala	Arg	Arg	Ile	Leu	Ser	His	Gly	Val	Thr	Ser	
				95					100					105	
Phe	Cys	Pro	Thr	Leu	Val	Thr	Ser	Pro	Pro	Glu	Val	Tyr	His	Lys	
				110					115					120	
Gly	Cys	Thr	Trp	Arg	Ala	Pro	Ser	Ser	Ala	Gly	Arg	Ser	Gly	Ala	
				125					130					135	
Arg	Thr	Pro	Arg	Pro	Thr	Ser	Ala	Pro	Ser	Arg	Pro	Met	Pro	Ser	
				140					145					150	
Arg	Thr	Cys	Trp	Pro	Pro	Thr	Gly	Pro	Trp	Thr	Met	Ser	Ala	Ser	
				155					160					165	

&lt;210&gt; 34

&lt;211&gt; 236

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7501417CD1

&lt;400&gt; 34

Met	Gly	Val	Pro	Arg	Thr	Pro	Ser	Arg	Thr	Val	Leu	Phe	Glu	Arg	
1				5					10					15	
Glu	Arg	Thr	Gly	Leu	Thr	Tyr	Arg	Val	Pro	Ser	Leu	Leu	Pro	Val	
				20					25					30	
Pro	Pro	Gly	Pro	Thr	Leu	Leu	Ala	Phe	Val	Glu	Gln	Arg	Leu	Ser	
				35					40					45	
Pro	Asp	Asp	Ser	His	Ala	His	Arg	Leu	Val	Leu	Arg	Arg	Gly	Thr	
				50					55					60	
Leu	Ala	Gly	Gly	Ser	Val	Arg	Thr	Gly	Pro	His	Ser	Leu	Trp	Val	
				65					70					75	

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Pro Ala Thr Ala Cys Ser Cys Pro Gln Ala Ala Cys Trp Tyr Pro
      80      85      90
Pro Thr Pro Thr Ala Trp Thr Ala Glu Ser Val Leu Ala Arg Ser
      95     100     105
Ala Gly Pro Ala Leu Thr Pro Ser Pro Ser Thr Ala Met Thr Thr
     110     115     120
Ala Ala Pro Gly Ala Val Glu Ala Ser Cys Pro Thr Cys Ala Gln
     125     130     135
Ala Ser Ala Ser Trp Arg Arg Trp Thr Val Gly Arg Pro Ala Ala
     140     145     150
Ser Ser Thr Ala Met Pro Gly Ala His Trp Ala Ala Val Cys Arg
     155     160     165
Arg Ser Ala Leu Thr Arg Ala Pro Pro Ser Cys Pro Gln Ser Ala
     170     175     180
Trp Leu Pro Cys Pro Arg Leu Pro Gly Ala Ala Arg Ala Ala Ser
     185     190     195
Trp Ala Ser Gln Pro Pro Pro Pro Thr Gly His Gly Met Thr Val
     200     205     210
Gly Gln Trp Ala Pro Gly Val Pro Ser Ser Leu His Ser Ser Val
     215     220     225
Leu Glu Ser Thr Asn Pro Gln Arg Arg Leu Leu
     230     235

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&lt;210&gt; 35

&lt;211&gt; 454

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7501472CD1

&lt;400&gt; 35

```

Met Ser Pro Arg Val Val Ser Asn Ser Ser Val Leu Ala Ser Gln
  1      5      10      15
Ser Val Gly Ile Thr Asn Val Arg Thr Val Phe Ser Asn Val Phe
     20     25     30
Asn Asn Thr Thr Ala Phe Pro Ile Leu Arg Gly Ser Asn Cys His
     35     40     45
Lys Ile Thr Ala Pro Gly Leu Gly Lys Gly Gln Leu Val Asn Leu
     50     55     60
Leu Pro Pro Glu Asn Leu Pro Trp Cys Gly Gly Ser Gln Gly Pro
     65     70     75
Arg Met Leu Arg Thr Cys Tyr Val Leu Cys Ser Gln Ala Gly Pro
     80     85     90
Pro Ser Arg Gly Trp Gln Ser Leu Ser Phe Asp Gly Gly Ala Phe
     95    100    105
His Leu Lys Gly Thr Gly Glu Leu Thr Arg Ala Leu Leu Val Leu
    110    115    120
Arg Leu Cys Ala Trp Pro Pro Leu Val Thr His Gly Leu Leu Leu
    125    130    135
Gln Ala Trp Ser Arg Arg Leu Leu Gly Ser Arg Leu Ser Gly Ala
    140    145    150
Phe Leu Arg Ala Ser Val Tyr Gly Gln Phe Val Ala Gly Glu Thr
    155    160    165
Ala Glu Glu Val Lys Gly Cys Val Gln Gln Leu Arg Thr Leu Ser
    170    175    180
Leu Arg Pro Leu Leu Ala Val Pro Thr Glu Glu Glu Pro Asp Ser
    185    190    195
Ala Ala Lys Ser Gly Glu Ala Trp Tyr Glu Gly Asn Leu Gly Ala
    200    205    210
Met Leu Arg Cys Val Asp Leu Ser Arg Gly Leu Leu Glu Pro Pro
    215    220    225

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<220>
<221> misc_feature
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&lt;223&gt; Incyte ID No: 7501555CD1

&lt;400&gt; 37

```

Met Leu Ala Val His Phe Asp Lys Pro Gly Gly Pro Glu Asn Leu
 1          5          10          15
Tyr Val Lys Glu Val Ala Lys Pro Ser Pro Gly Glu Gly Glu Val
          20          25          30
Leu Leu Lys Val Ala Ala Ser Ala Leu Asn Arg Ala Asp Leu Met
          35          40          45
Gln Arg Gln Gly Gln Tyr Asp Pro Pro Pro Gly Ala Ser Asn Ile
          50          55          60
Leu Gly Leu Glu Ala Ser Gly His Val Ala Glu Leu Gly Pro Gly
          65          70          75
Cys Gln Gly His Trp Lys Ile Gly Asp Thr Ala Met Ala Leu Leu
          80          85          90
Pro Gly Gly Gly Gln Ala Gln Tyr Val Thr Val Pro Glu Gly Leu
          95          100          105
Leu Met Pro Ile Pro Glu Gly Leu Thr Leu Thr Gln Ala Ala Ala
          110          115          120
Ile Pro Glu Ala Trp Leu Thr Ala Phe Gln Leu Leu His Leu Val
          125          130          135
Gly Asn Val Gln Ala Gly Asp Tyr Val Leu Ile His Ala Gly Leu
          140          145          150
Ser Gly Val Gly Thr Ala Ala Ile Gln Leu Thr Arg Met Ala Gly
          155          160          165
Ala Ile Pro Leu Val Thr Ala Gly Ser Gln Lys Lys Leu Gln Met
          170          175          180
Ala Glu Lys Leu Gly Ala Ala Ala Gly Phe Asn Tyr Lys Lys Glu
          185          190          195
Asp Phe Ser Glu Ala Thr Leu Lys Phe Thr Lys Val Gln Ala Asn
          200          205          210
Ala Gly Glu Cys Phe His Gly Ala Asn Ser Ala Ser Leu Leu His
          215          220          225
Gly Gly Pro Pro Thr Ser Ala Ala Gly Ser Gly Gln Asn Leu Pro
          230          235          240
Ser Asp Arg Asn Pro Gly Gly Pro
          245

```

&lt;210&gt; 38

&lt;211&gt; 76

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7501561CD1

&lt;400&gt; 38

```

Met Leu Trp Ser Gly Cys Arg Arg Phe Gly Ala Arg Leu Gly Cys
 1          5          10          15
Leu Pro Gly Gly Leu Arg Val Leu Val Gln Thr Gly His Arg Ser
          20          25          30
Leu Thr Ser Cys Ile Asp Pro Ser Met Gly Leu Asn Glu Glu Gln
          35          40          45
Lys Glu Phe Gln Lys Val Ala Phe Asp Phe Ala Ala Arg Glu Met
          50          55          60
Ala Pro Asn Met Ala Glu Trp Asp Gln Lys His Val Cys Leu Asp
          65          70          75
Asp

```

&lt;210&gt; 39

&lt;211&gt; 168

<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7506108CD1

<400> 39  
Met Pro Asp Glu Asn Ile Phe Leu Phe Val Pro Asn Leu Ile Gly  
1 5 10 15  
Thr Arg Phe Gly Ala Met Leu Asp Met Leu Thr Asp Arg Cys Ser  
20 25 30  
Thr Met Cys Leu Leu Val Asn Leu Ala Leu Leu Tyr Pro Gly Ala  
35 40 45  
Thr Leu Phe Phe Gln Ile Ser Met Ser Leu Asp Val Ala Ser His  
50 55 60  
Trp Leu His Leu His Ser Ser Val Val Arg Gly Ser Glu Ser His  
65 70 75  
Lys Met Ile Asp Leu Ser Gly Asn Pro Val Leu Arg Ile Tyr Tyr  
80 85 90  
Thr Ser Arg Pro Ala Leu Phe Thr Leu Cys Ala Gly Asn Glu Leu  
95 100 105  
Phe Tyr Cys Leu Leu Tyr Leu Phe His Phe Ser Glu Gly Pro Leu  
110 115 120  
Val Gly Ser Val Gly Leu Phe Arg Met Gly Leu Trp Val Thr Ala  
125 130 135  
Pro Ile Ala Leu Leu Lys Ser Leu Ile Ser Val Ile His Leu Ile  
140 145 150  
Thr Ala Ala Arg Asn Met Ala Ala Leu Asp Ala Ala Asp His Ala  
155 160 165  
Lys Lys Lys

<210> 40  
<211> 187  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 7506123CD1

<400> 40  
Met Asp Ala Pro Arg Gln Val Val Asn Phe Gly Pro Gly Pro Ala  
1 5 10 15  
Lys Leu Pro His Ser Val Leu Leu Glu Ile Gln Lys Glu Leu Leu  
20 25 30  
Asp Tyr Lys Gly Val Gly Ile Ser Val Leu Glu Met Ser His Arg  
35 40 45  
Ser Ser Asp Phe Ala Lys Ile Ile Asn Asn Thr Glu Asn Leu Val  
50 55 60  
Arg Glu Leu Leu Ile Tyr Val Met Gly Leu Val Leu Glu Trp Ile  
65 70 75  
Lys Asn Asn Gly Gly Ala Ala Ala Met Glu Lys Leu Ser Ser Ile  
80 85 90  
Lys Ser Gln Thr Ile Tyr Glu Ile Ile Asp Asn Ser Gln Gly Phe  
95 100 105  
Tyr Val Cys Pro Val Glu Pro Gln Asn Arg Ser Lys Met Asn Ile  
110 115 120  
Pro Phe Arg Ile Gly Asn Ala Lys Gly Asp Asp Ala Leu Glu Lys  
125 130 135  
Arg Phe Leu Asp Lys Ala Leu Glu Leu Asn Met Leu Ser Leu Lys  
140 145 150

Gly	His	Arg	Ser	Val	Gly	Gly	Ile	Arg	Ala	Ser	Leu	Tyr	Asn	Ala	
				155					160					165	
Val	Thr	Ile	Glu	Asp	Val	Gln	Lys	Leu	Ala	Ala	Phe	Met	Lys	Lys	
				170					175					180	
Phe	Leu	Glu	Met	His	Gln	Leu									
				185											

&lt;210&gt; 41

&lt;211&gt; 1091

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7506248CD1

&lt;400&gt; 41

Met	Ser	Ala	Lys	Ala	Ile	Ser	Glu	Gln	Thr	Gly	Lys	Glu	Leu	Leu	
1				5					10					15	
Tyr	Lys	Phe	Ile	Cys	Thr	Thr	Ser	Ala	Ile	Gln	Asn	Arg	Phe	Lys	
				20					25					30	
Tyr	Ala	Arg	Val	Thr	Pro	Asp	Thr	Asp	Trp	Ala	Arg	Leu	Leu	Gln	
				35					40					45	
Asp	His	Pro	Trp	Leu	Leu	Ser	Gln	Asn	Leu	Val	Val	Lys	Pro	Asp	
				50					55					60	
Gln	Leu	Ile	Lys	Arg	Arg	Gly	Lys	Leu	Gly	Leu	Val	Gly	Val	Asn	
				65					70					75	
Leu	Thr	Leu	Asp	Gly	Val	Lys	Ser	Trp	Leu	Lys	Pro	Arg	Leu	Gly	
				80					85					90	
Gln	Glu	Ala	Thr	Val	Gly	Lys	Ala	Thr	Gly	Phe	Leu	Lys	Asn	Phe	
				95					100					105	
Leu	Ile	Glu	Pro	Phe	Val	Pro	His	Ser	Gln	Ala	Glu	Glu	Phe	Tyr	
				110					115					120	
Val	Cys	Ile	Tyr	Ala	Thr	Arg	Glu	Gly	Asp	Tyr	Val	Leu	Phe	His	
				125					130					135	
His	Glu	Gly	Gly	Val	Asp	Val	Gly	Asp	Val	Asp	Ala	Lys	Ala	Gln	
				140					145					150	
Lys	Leu	Leu	Val	Gly	Val	Asp	Glu	Lys	Leu	Asn	Pro	Glu	Asp	Ile	
				155					160					165	
Lys	Lys	His	Leu	Leu	Val	His	Ala	Pro	Glu	Asp	Lys	Lys	Glu	Ile	
				170					175					180	
Leu	Ala	Ser	Phe	Ile	Ser	Gly	Leu	Phe	Asn	Phe	Tyr	Glu	Asp	Leu	
				185					190					195	
Tyr	Phe	Thr	Tyr	Leu	Glu	Ile	Asn	Pro	Leu	Val	Val	Thr	Lys	Asp	
				200					205					210	
Gly	Val	Tyr	Val	Leu	Asp	Leu	Ala	Ala	Lys	Val	Asp	Ala	Thr	Ala	
				215					220					225	
Asp	Tyr	Ile	Cys	Lys	Val	Lys	Trp	Gly	Asp	Ile	Glu	Phe	Pro	Pro	
				230					235					240	
Pro	Phe	Gly	Arg	Glu	Ala	Tyr	Pro	Glu	Glu	Ala	Tyr	Ile	Ala	Asp	
				245					250					255	
Leu	Asp	Ala	Lys	Ser	Gly	Ala	Ser	Leu	Lys	Leu	Thr	Leu	Leu	Asn	
				260					265					270	
Pro	Lys	Gly	Arg	Ile	Trp	Thr	Met	Val	Ala	Gly	Gly	Gly	Ala	Ser	
				275					280					285	
Val	Val	Tyr	Ser	Asp	Thr	Ile	Cys	Asp	Leu	Gly	Gly	Val	Asn	Glu	
				290					295					300	
Leu	Ala	Asn	Tyr	Gly	Glu	Tyr	Ser	Gly	Ala	Pro	Ser	Glu	Gln	Gln	
				305					310					315	
Thr	Tyr	Asp	Tyr	Ala	Lys	Thr	Ile	Leu	Ser	Leu	Met	Thr	Arg	Glu	
				320					325					330	
Lys	His	Pro	Asp	Gly	Lys	Ile	Leu	Ile	Ile	Gly	Gly	Ser	Ile	Ala	
				335					340					345	



Asn	Phe	Thr	Asn	Val	Ala	Ala	Thr	Phe	Lys	Gly	Ile	Val	Arg	Ala
				350					355					360
Ile	Arg	Asp	Tyr	Gln	Gly	Pro	Leu	Lys	Glu	His	Glu	Val	Thr	Ile
				365					370					375
Phe	Val	Arg	Arg	Gly	Gly	Pro	Asn	Tyr	Gln	Glu	Gly	Leu	Arg	Val
				380					385					390
Met	Gly	Glu	Val	Gly	Lys	Thr	Thr	Gly	Ile	Pro	Ile	His	Val	Phe
				395					400					405
Gly	Thr	Glu	Thr	His	Met	Thr	Ala	Ile	Val	Gly	Met	Ala	Leu	Gly
				410					415					420
His	Arg	Pro	Ile	Pro	Asn	Gln	Pro	Pro	Thr	Ala	Ala	His	Thr	Ala
				425					430					435
Asn	Phe	Leu	Leu	Asn	Ala	Ser	Gly	Ser	Thr	Ser	Thr	Pro	Ala	Pro
				440					445					450
Ser	Arg	Thr	Ala	Ser	Phe	Ser	Glu	Ser	Arg	Ala	Asp	Glu	Val	Ala
				455					460					465
Pro	Ala	Lys	Lys	Ala	Lys	Pro	Ala	Met	Pro	Gln	Gly	Lys	Ser	Thr
				470					475					480
Thr	Leu	Phe	Ser	Arg	His	Thr	Lys	Ala	Ile	Val	Trp	Gly	Met	Gln
				485					490					495
Thr	Arg	Ala	Val	Gln	Gly	Met	Leu	Asp	Phe	Asp	Tyr	Val	Cys	Ser
				500					505					510
Arg	Asp	Glu	Pro	Ser	Val	Ala	Ala	Met	Val	Tyr	Pro	Phe	Thr	Gly
				515					520					525
Asp	His	Lys	Gln	Lys	Phe	Tyr	Trp	Gly	His	Lys	Glu	Ile	Leu	Ile
				530					535					540
Pro	Val	Phe	Lys	Asn	Met	Ala	Asp	Ala	Met	Arg	Lys	His	Pro	Glu
				545					550					555
Val	Asp	Val	Leu	Ile	Asn	Phe	Ala	Ser	Leu	Arg	Ser	Ala	Tyr	Asp
				560					565					570
Ser	Thr	Met	Glu	Thr	Met	Asn	Tyr	Ala	Gln	Ile	Arg	Thr	Ile	Ala
				575					580					585
Ile	Ile	Ala	Glu	Gly	Ile	Pro	Glu	Ala	Leu	Thr	Arg	Lys	Leu	Ile
				590					595					600
Lys	Lys	Ala	Asp	Gln	Lys	Gly	Val	Thr	Ile	Ile	Gly	Pro	Ala	Thr
				605					610					615
Val	Gly	Gly	Ile	Lys	Pro	Gly	Cys	Phe	Lys	Ile	Gly	Asn	Thr	Gly
				620					625					630
Gly	Met	Leu	Asp	Asn	Ile	Leu	Ala	Ser	Lys	Leu	Tyr	Arg	Pro	Gly
				635					640					645
Ser	Val	Ala	Tyr	Val	Ser	Arg	Ser	Gly	Gly	Met	Ser	Asn	Glu	Leu
				650					655					660
Asn	Asn	Ile	Ile	Ser	Arg	Thr	Thr	Asp	Gly	Val	Tyr	Glu	Gly	Val
				665					670					675
Ala	Ile	Gly	Gly	Asp	Arg	Tyr	Pro	Gly	Ser	Thr	Phe	Met	Asp	His
				680					685					690
Val	Leu	Arg	Tyr	Gln	Asp	Thr	Pro	Gly	Val	Lys	Met	Ile	Val	Val
				695					700					705
Leu	Gly	Glu	Ile	Gly	Gly	Thr	Glu	Glu	Tyr	Lys	Ile	Cys	Arg	Gly
				710					715					720
Ile	Lys	Glu	Gly	Arg	Leu	Thr	Lys	Pro	Ile	Val	Cys	Trp	Cys	Ile
				725					730					735
Gly	Thr	Cys	Ala	Thr	Met	Phe	Ser	Ser	Glu	Val	Gln	Phe	Gly	His
				740					745					750
Ala	Gly	Ala	Cys	Ala	Asn	Gln	Ala	Ser	Glu	Thr	Ala	Val	Ala	Lys
				755					760					765
Asn	Gln	Ala	Leu	Lys	Glu	Ala	Gly	Val	Phe	Val	Pro	Arg	Ser	Phe
				770					775					780
Asp	Glu	Leu	Gly	Glu	Ile	Ile	Gln	Ser	Val	Tyr	Glu	Asp	Leu	Val
				785					790					795
Ala	Asn	Gly	Val	Ile	Val	Pro	Ala	Gln	Glu	Val	Pro	Pro	Pro	Thr
				800					805					810
Val	Pro	Met	Asp	Tyr	Ser	Trp	Ala	Arg	Glu	Leu	Gly	Leu	Ile	Arg

Lys	Pro	Ala	Ser	Phe	Met	Thr	Ser	Ile	Cys	Asp	Glu	Arg	Gly	Gln	815	820	825
				830					835						840		
Glu	Leu	Ile	Tyr	Ala	Gly	Met	Pro	Ile	Thr	Glu	Val	Phe	Lys	Glu			
				845					850						855		
Glu	Met	Gly	Ile	Gly	Gly	Val	Leu	Gly	Leu	Leu	Trp	Phe	Gln	Lys			
				860					865						870		
Arg	Leu	Pro	Lys	Tyr	Ser	Cys	Gln	Phe	Ile	Glu	Met	Cys	Leu	Met			
				875					880						885		
Val	Thr	Ala	Asp	His	Gly	Pro	Ala	Val	Ser	Gly	Ala	His	Asn	Thr			
				890					895						900		
Ile	Ile	Cys	Ala	Arg	Ala	Gly	Lys	Asp	Leu	Val	Ser	Ser	Leu	Thr			
				905					910						915		
Ser	Gly	Leu	Leu	Thr	Ile	Gly	Asp	Arg	Phe	Gly	Gly	Ala	Leu	Asp			
				920					925						930		
Ala	Ala	Ala	Lys	Met	Phe	Ser	Lys	Ala	Phe	Asp	Ser	Gly	Ile	Ile			
				935					940						945		
Pro	Met	Glu	Phe	Val	Asn	Lys	Met	Lys	Lys	Glu	Gly	Lys	Leu	Ile			
				950					955						960		
Met	Gly	Ile	Gly	His	Arg	Val	Lys	Ser	Ile	Asn	Asn	Pro	Asp	Met			
				965					970						975		
Arg	Val	Gln	Ile	Leu	Lys	Asp	Tyr	Val	Arg	Gln	His	Phe	Pro	Ala			
				980					985						990		
Thr	Pro	Leu	Leu	Asp	Tyr	Ala	Leu	Glu	Val	Glu	Lys	Ile	Thr	Thr			
				995					1000						1005		
Ser	Lys	Lys	Pro	Asn	Leu	Ile	Leu	Asn	Val	Asp	Gly	Leu	Ile	Gly			
				1010					1015						1020		
Val	Ala	Phe	Val	Asp	Met	Leu	Arg	Asn	Cys	Gly	Ser	Phe	Thr	Arg			
				1025					1030						1035		
Glu	Glu	Ala	Asp	Glu	Tyr	Ile	Asp	Ile	Gly	Ala	Leu	Asn	Gly	Ile			
				1040					1045						1050		
Phe	Val	Leu	Gly	Arg	Ser	Met	Gly	Phe	Ile	Gly	His	Tyr	Leu	Asp			
				1055					1060						1065		
Gln	Lys	Arg	Leu	Lys	Gln	Gly	Leu	Tyr	Arg	His	Pro	Trp	Asp	Asp			
				1070					1075						1080		
Ile	Ser	Tyr	Val	Leu	Pro	Glu	His	Met	Ser	Met							
				1085					1090								

&lt;210&gt; 42

&lt;211&gt; 473

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7506347CD1

&lt;400&gt; 42

Met	Gln	Glu	Asn	Met	Ala	Lys	Arg	Val	Ala	Ile	Val	Gly	Ala	Gly			
1				5					10					15			
Val	Ser	Gly	Leu	Ala	Ser	Ile	Lys	Cys	Cys	Leu	Glu	Glu	Gly	Leu			
				20					25					30			
Glu	Pro	Thr	Cys	Phe	Glu	Arg	Ser	Asp	Asp	Leu	Gly	Gly	Leu	Trp			
				35					40					45			
Arg	Phe	Thr	Thr	Lys	Val	Cys	Ser	Val	Thr	Lys	Cys	Ser	Asp	Ser			
				50					55					60			
Ala	Val	Ser	Gly	Gln	Trp	Glu	Val	Val	Thr	Met	His	Glu	Glu	Lys			
				65					70					75			
Gln	Glu	Ser	Ala	Ile	Phe	Asp	Ala	Val	Met	Val	Cys	Thr	Gly	Phe			
				80					85					90			
Leu	Thr	Asn	Pro	Tyr	Leu	Pro	Leu	Asp	Ser	Phe	Pro	Gly	Ile	Asn			
				95					100					105			
Ala	Phe	Lys	Gly	Gln	Tyr	Phe	His	Ser	Arg	Gln	Tyr	Lys	His	Pro			

Asp Ile Phe Lys	110	Asp Lys Arg Val Leu	115	Val Ile Gly Met Gly	120
Ser Gly Thr Asp	125	Ile Ala Val Glu Ala	130	Ser His Leu Ala Glu	135
Val Phe Leu Ser	140	Thr Thr Gly Gly Gly	145	Val Ile Ser Arg	150
Phe Asp Ser Gly	155	Tyr Pro Trp Asp Met	160	Val Phe Met Thr Arg	165
Gln Asn Met Leu	170	Arg Asn Ser Leu Pro	175	Thr Pro Ile Val Thr	180
Leu Met Glu Arg	185	Lys Ile Asn Asn Trp	190	Leu Asn His Ala Asn	195
Gly Leu Ile Pro	200	Glu Asp Arg Thr Gln	205	Leu Lys Glu Phe Val	210
Asn Asp Glu Leu	215	Pro Gly Arg Ile Ile	220	Thr Gly Lys Val Phe	225
Arg Pro Ser Ile	230	Lys Glu Val Lys Glu	235	Asn Ser Val Ile Phe	240
Asn Thr Ser Lys	245	Glu Glu Pro Ile Asp	250	Ile Ile Val Phe Ala	255
Gly Tyr Thr Phe	260	Ala Phe Pro Phe Leu	265	Asp Glu Ser Val Val	270
Val Glu Asp Gly	275	Gln Ala Ser Leu Tyr	280	Lys Tyr Ile Phe Pro	285
His Leu Gln Lys	290	Pro Thr Leu Ala Ile	295	Ile Gly Leu Ile Lys	300
Leu Gly Ser Met	305	Ile Pro Thr Gly Glu	310	Thr Gln Ala Arg Trp	315
Val Arg Val Leu	320	Lys Gly Val Asn Lys	325	Leu Pro Pro Pro Ser	330
Met Ile Glu Glu	335	Ile Asn Ala Arg Lys	340	Glu Asn Lys Pro Ser	345
Phe Gly Leu Cys	350	Tyr Cys Lys Ala Leu	355	Gln Ser Asp Tyr Ile	360
Tyr Ile Asp Glu	365	Leu Leu Thr Tyr Ile	370	Asn Ala Lys Pro Asn	375
Phe Ser Met Leu	380	Leu Thr Asp Pro His	385	Leu Ala Leu Thr Val	390
Phe Gly Pro Cys	395	Ser Pro Tyr Gln Phe	400	Arg Leu Thr Gly Pro	405
Lys Trp Glu Gly	410	Ala Arg Asn Ala Ile	415	Met Thr Gln Trp Asp	420
Thr Phe Lys Val	425	Ile Lys Ala Arg Val	430	Val Gln Glu Ser Pro	435
Pro Phe Glu Ser	440	Phe Leu Lys Val Phe	445	Ser Phe Leu Ala Leu	450
Val Ala Ile Phe	455	Leu Ile Phe Leu	460		465
	470				

&lt;210&gt; 43

&lt;211&gt; 139

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509172CD1

&lt;400&gt; 43

Met Glu Pro Phe Val Val Leu Val Leu Cys Leu Ser Phe Met Leu

1

5

10

15

Leu Phe Ser Leu Trp Arg Gln Ser Cys Arg Arg Arg Lys Leu Pro

	20		25		30
Pro Gly Pro Thr Pro	Leu Pro Ile Ile	Gly Asn Met Leu Gln Ile			
	35		40		45
Asp Val Lys Asp Ile	Cys Lys Ser Phe Thr	Asn Phe Ser Lys Val			
	50		55		60
Tyr Gly Pro Val Phe	Thr Val Tyr Phe Gly	Met Asn Pro Ile Val			
	65		70		75
Val Phe His Gly Tyr	Glu Ala Val Lys Glu	Ala Leu Ile Asp Asn			
	80		85		90
Gly Glu Glu Phe Ser	Gly Arg Gly Asn Ser	Pro Ile Ser Gln Arg			
	95		100		105
Ile Thr Lys Gly Leu	Gly Arg Cys Thr Tyr	Phe Cys Val Ser Phe			
	110		115		120
Gly Asn Trp Gly Glu	Gly Asp Gly Lys Gln	Ser Pro Lys Lys Leu			
	125		130		135
Leu Ser Arg Ala					

&lt;210&gt; 44

&lt;211&gt; 66

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7510421CD1

&lt;400&gt; 44

Met Ser Val Gly Phe	Ile Gly Ala Gly Gln	Leu Ala Tyr Ala Leu			
1	5	10			15
Ala Arg Gly Phe Thr	Ala Ala Gly Ile Leu	Ser Ala His Lys Ile			
	20	25			30
Ile Ala Ser Ser Pro	Glu Met Asn Leu Pro	Thr Val Ser Ala Leu			
	35	40			45
Arg Val Gly Gly Ala	Gly Arg Ser Gly Lys	Arg Val Glu Ala Gln			
	50	55			60
Glu Lys Asp Asp Leu	Arg				
	65				

&lt;210&gt; 45

&lt;211&gt; 140

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7504625CD1

&lt;400&gt; 45

Met Ala Thr Gly Thr	Arg Tyr Ala Gly Lys	Val Val Val Val Thr			
1	5	10			15
Gly Gly Gly Arg Gly	Ile Gly Ala Gly Ile	Val Arg Ala Phe Val			
	20	25			30
Asp Ser Gly Ala Arg	Val Val Ile Cys Asp	Lys Asp Glu Ser Gly			
	35	40			45
Gly Arg Ala Leu Glu	Gln Glu Leu Pro Gly	Ala Val Phe Ile Leu			
	50	55			60
Cys Asp Val Thr Gln	Glu Asp Asp Val Lys	Thr Leu Val Ser Glu			
	65	70			75
Thr Ile Arg Arg Phe	Gly Arg Leu Asp Cys	Val Val Asn Asn Ala			
	80	85			90
Gly His Pro Arg Pro	Pro Leu Pro Ala Glu	Glu Ser Arg Glu Cys			
	95	100			105

His	Gln	His	Leu	Gln	Pro	Gly	Gly	Gly	Asn	Arg	Pro	Gly	Pro	Gly	
				110					115					120	
Ser	Ser	Leu	Cys	Gly	His	Gln	Gly	Gly	Ser	Asn	Ser	His	Asp	Gln	
				125					130					135	
Ser	Phe	Gly	Pro	Gly											
				140											

&lt;210&gt; 46

&lt;211&gt; 356

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7504776CD1

&lt;400&gt; 46

Met	Trp	Glu	Leu	Val	Ala	Leu	Leu	Leu	Leu	Thr	Leu	Ala	Tyr	Leu	
1				5						10				15	
Phe	Trp	Pro	Lys	Arg	Arg	Cys	Pro	Gly	Ala	Lys	Tyr	Pro	Lys	Ser	
				20					25					30	
Leu	Leu	Ser	Leu	Pro	Leu	Val	Gly	Ser	Leu	Pro	Phe	Leu	Pro	Arg	
				35					40					45	
His	Gly	His	Met	His	Asn	Asn	Phe	Phe	Lys	Leu	Gln	Lys	Lys	Tyr	
				50					55					60	
Gly	Pro	Ile	Tyr	Ser	Val	Arg	Met	Gly	Thr	Lys	Thr	Thr	Val	Ile	
				65					70					75	
Val	Gly	His	His	Gln	Leu	Ala	Lys	Glu	Val	Leu	Ile	Lys	Lys	Gly	
				80					85					90	
Lys	Asp	Phe	Ser	Gly	Arg	Pro	Gln	Met	Glu	Lys	Phe	Arg	Ser	Asp	
				95					100					105	
Ser	Ile	Thr	Asn	Met	Leu	Asp	Thr	Leu	Met	Gln	Ala	Lys	Met	Asn	
				110					115					120	
Ser	Asp	Asn	Gly	Asn	Ala	Gly	Pro	Asp	Gln	Asp	Ser	Glu	Leu	Leu	
				125					130					135	
Ser	Asp	Asn	His	Ile	Leu	Thr	Thr	Ile	Gly	Asp	Ile	Phe	Gly	Ala	
				140					145					150	
Gly	Val	Glu	Thr	Thr	Thr	Ser	Val	Val	Lys	Trp	Thr	Leu	Ala	Phe	
				155					160					165	
Leu	Leu	His	Asn	Pro	Gln	Val	Lys	Lys	Lys	Leu	Tyr	Glu	Glu	Ile	
				170					175					180	
Asp	Gln	Asn	Val	Gly	Phe	Ser	Arg	Thr	Pro	Thr	Ile	Ser	Asp	Arg	
				185					190					195	
Asn	Arg	Leu	Leu	Leu	Leu	Glu	Ala	Thr	Ile	Arg	Glu	Val	Leu	Arg	
				200					205					210	
Leu	Arg	Pro	Val	Ala	Pro	Met	Leu	Ile	Pro	His	Lys	Ala	Asn	Val	
				215					220					225	
Asp	Ser	Ser	Ile	Gly	Glu	Phe	Ala	Val	Asp	Lys	Gly	Thr	Glu	Val	
				230					235					240	
Ile	Ile	Asn	Leu	Trp	Ala	Leu	His	His	Asn	Glu	Lys	Glu	Trp	His	
				245					250					255	
Gln	Pro	Asp	Gln	Phe	Met	Pro	Glu	Arg	Phe	Leu	Asn	Pro	Ala	Gly	
				260					265					270	
Thr	Gln	Leu	Ile	Ser	Pro	Ser	Val	Ser	Tyr	Leu	Pro	Phe	Gly	Ala	
				275					280					285	
Gly	Pro	Arg	Ser	Cys	Ile	Gly	Glu	Ile	Leu	Ala	Arg	Gln	Glu	Leu	
				290					295					300	
Phe	Leu	Ile	Met	Ala	Trp	Leu	Leu	Gln	Arg	Phe	Asp	Leu	Glu	Val	
				305					310					315	
Pro	Asp	Asp	Gly	Gln	Leu	Pro	Ser	Leu	Glu	Gly	Ile	Pro	Lys	Val	
				320					325					330	
Val	Phe	Leu	Ile	Asp	Ser	Phe	Lys	Val	Lys	Ile	Lys	Val	Arg	Gln	
				335					340					345	

Ala Trp Arg Glu Ala Gln Ala Glu Gly Ser Thr  
 350 355

<210> 47  
 <211> 141  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7504927CD1

<400> 47  
 Met Ala Phe Leu Ala Ser Gly Pro Tyr Leu Thr His Gln Gln Lys  
 1 5 10 15  
 Val Leu Arg Leu Tyr Lys Arg Ala Leu Arg His Leu Glu Ser Trp  
 20 25 30  
 Cys Val Gln Arg Asp Lys Tyr Arg Tyr Phe Ala Cys Leu Met Arg  
 35 40 45  
 Ala Arg Phe Glu Glu His Lys Asn Glu Lys Asp Met Ala Lys Ala  
 50 55 60  
 Thr Gln Leu Leu Lys Glu Ala Glu Glu Glu Phe Trp Tyr Arg Gln  
 65 70 75  
 His Pro Gln Pro Tyr Ile Phe Pro Asp Ser Pro Gly Gly Thr Ser  
 80 85 90  
 Tyr Glu Arg Tyr Asp Cys Tyr Lys Val Lys Gln Leu Gln Glu Glu  
 95 100 105  
 Thr Pro Pro Gly Gly Pro Leu Thr Glu Ala Leu Pro Pro Ala Arg  
 110 115 120  
 Lys Glu Gly Asp Leu Pro Pro Leu Trp Trp Tyr Ile Val Thr Arg  
 125 130 135  
 Pro Arg Glu Arg Pro Met  
 140

<210> 48  
 <211> 398  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7505010CD1

<400> 48  
 Met Leu Pro Pro Gly Arg Gln Asp Leu Ser Ser Ala Ser Leu Pro  
 1 5 10 15  
 Gly Ala Val Ala Ala Leu Ser Pro Leu Arg Ile Met Ala Thr Ala  
 20 25 30  
 Glu Val Leu Asn Ile Gly Lys Lys Leu Tyr Glu Gly Lys Thr Lys  
 35 40 45  
 Glu Val Tyr Glu Leu Leu Asp Ser Pro Gly Lys Val Leu Leu Gln  
 50 55 60  
 Ser Lys Asp Gln Ile Thr Ala Gly Asn Ala Ala Arg Lys Asn His  
 65 70 75  
 Leu Glu Gly Lys Ala Ala Ile Ser Asn Lys Ile Thr Ser Cys Ile  
 80 85 90  
 Phe Gln Leu Leu Gln Glu Ala Gly Ile Lys Thr Ala Phe Thr Arg  
 95 100 105  
 Lys Cys Gly Glu Thr Ala Phe Ile Ala Pro Gln Cys Glu Met Ile  
 110 115 120  
 Pro Ile Glu Trp Val Cys Arg Arg Ile Ala Thr Gly Ser Phe Leu  
 125 130 135  
 Lys Arg Asn Pro Gly Val Lys Glu Gly Tyr Lys Phe Tyr Pro Pro

	140	145	150
Lys Val Glu Leu Phe Phe Lys Asp Asp	Ala Asn Asn Asp Pro	Gln	
	155	160	165
Trp Ser Glu Glu Gln Leu Ile Ala Ala	Lys Phe Cys Phe Ala	Gly	
	170	175	180
Leu Leu Ile Gly Gln Thr Glu Val Asp	Ile Met Ser His Ala	Thr	
	185	190	195
Gln Ala Ile Phe Glu Ile Leu Glu Lys	Ser Trp Leu Pro Gln	Asn	
	200	205	210
Cys Thr Leu Val Asp Met Lys Ile Glu	Phe Gly Val Asp Val	Thr	
	215	220	225
Thr Lys Glu Ile Val Leu Ala Asp Val	Ile Asp Asn Asp Ser	Trp	
	230	235	240
Arg Leu Trp Pro Ser Gly Asp Arg Ser	Gln Gln Lys Asp Lys	Gln	
	245	250	255
Ser Tyr Arg Asp Leu Lys Glu Val Thr	Pro Glu Gly Leu Gln	Met	
	260	265	270
Val Lys Lys Asn Phe Glu Trp Val Ala	Glu Arg Val Glu Leu	Leu	
	275	280	285
Leu Lys Ser Glu Ser Gln Cys Arg Val	Val Val Leu Met Gly	Ser	
	290	295	300
Thr Ser Asp Leu Gly His Cys Glu Lys	Ile Lys Lys Ala Cys	Gly	
	305	310	315
Asn Phe Gly Ile Pro Cys Glu Leu Arg	Val Thr Ser Ala His	Lys	
	320	325	330
Gly Pro Asp Glu Thr Leu Arg Ile Lys	Ala Glu Tyr Glu Gly	Leu	
	335	340	345
Gly Cys Ser Thr Val Leu Ser Pro Glu	Gly Ser Ala Gln Phe	Ala	
	350	355	360
Ala Gln Ile Phe Gly Leu Ser Asn His	Leu Val Trp Ser Lys	Leu	
	365	370	375
Arg Ala Ser Ile Leu Asn Thr Trp Ile	Ser Leu Lys Gln Ala	Asp	
	380	385	390
Lys Lys Ile Arg Glu Cys Asn Leu			
	395		

&lt;210&gt; 49

&lt;211&gt; 115

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7505173CD1

&lt;400&gt; 49

Met Ala Ser Arg Val Leu Ser Ala Tyr Val Ser Arg Leu Pro Ala	
1 5 10 15	
Ala Phe Ala Pro Leu Pro Arg Val Arg Met Leu Ala Val Ala Arg	
20 25 30	
Pro Leu Ser Thr Ala Leu Cys Ser Ala Gly Thr Gln Thr Arg Leu	
35 40 45	
Gly Thr Leu Gln Pro Ala Leu Val Leu Ala Gln Leu Ser Val Asn	
50 55 60	
Ser His Phe Met Lys Asp Leu Gly Leu Asp Ser Leu Asp Gln Val	
65 70 75	
Glu Ile Ile Met Ala Met Glu Asp Glu Phe Gly Phe Glu Ile Pro	
80 85 90	
Asp Ile Asp Ala Glu Lys Leu Met Cys Pro Gln Glu Ile Val Asp	
95 100 105	
Tyr Ile Ala Asp Lys Lys Asp Val Tyr Glu	
110 115	

<210> 50  
 <211> 744  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7510061CD1

<400> 50

Met	Leu	Gln	Leu	Trp	Lys	Val	Val	Arg	Pro	Ala	Arg	Gln	Leu	Glu	1	5	10	15
Leu	His	Arg	Leu	Ile	Leu	Leu	Leu	Ile	Ala	Phe	Ser	Leu	Gly	Ser	20	25	30	35
Met	Gly	Phe	Leu	Ala	Tyr	Tyr	Val	Ser	Thr	Ser	Pro	Lys	Ala	Lys	40	45	50	55
Glu	Pro	Leu	Pro	Leu	Pro	Leu	Gly	Asp	Cys	Ser	Ser	Gly	Gly	Ala	60	65	70	75
Ala	Gly	Pro	Gly	Pro	Ala	Arg	Pro	Pro	Val	Pro	Pro	Arg	Pro	Pro	80	85	90	95
Arg	Pro	Pro	Glu	Thr	Ala	Arg	Thr	Glu	Pro	Val	Val	Leu	Val	Phe	100	105	110	115
Val	Glu	Ser	Ala	Tyr	Ser	Gln	Leu	Gly	Gln	Glu	Ile	Val	Ala	Ile	120	125	130	135
Leu	Glu	Ser	Ser	Arg	Phe	Arg	Tyr	Ser	Thr	Glu	Leu	Ala	Pro	Gly	140	145	150	155
Arg	Gly	Asp	Met	Pro	Thr	Leu	Thr	Asp	Asn	Thr	His	Gly	Arg	Tyr	160	165	170	175
Val	Leu	Val	Ile	Tyr	Glu	Asn	Leu	Leu	Lys	Tyr	Val	Asn	Leu	Asp	180	185	190	195
Ala	Trp	Ser	Arg	Glu	Leu	Leu	Asp	Arg	Tyr	Cys	Val	Glu	Tyr	Gly	200	205	210	215
Val	Gly	Ile	Ile	Gly	Phe	Phe	Arg	Ala	His	Glu	His	Ser	Leu	Leu	220	225	230	235
Ser	Ala	Gln	Leu	Lys	Gly	Phe	Pro	Leu	Phe	Leu	His	Ser	Asn	Leu	240	245	250	255
Gly	Leu	Arg	Asp	Tyr	Gln	Val	Asn	Pro	Ser	Ala	Pro	Leu	Leu	His	260	265	270	275
Leu	Thr	Arg	Pro	Ser	Arg	Leu	Glu	Pro	Gly	Pro	Leu	Pro	Gly	Asp	280	285	290	295
Asp	Trp	Thr	Ile	Phe	Gln	Ser	Asn	His	Ser	Thr	Tyr	Glu	Pro	Val	300	305	310	315
Leu	Leu	Ala	Ser	Leu	Arg	Pro	Ala	Glu	Pro	Ala	Val	Pro	Gly	Pro	320	325	330	335
Val	Leu	Arg	Arg	Ala	Arg	Leu	Pro	Thr	Val	Val	Gln	Asp	Leu	Gly	340	345	350	355
Leu	His	Asp	Gly	Ile	Gln	Arg	Val	Leu	Phe	Gly	His	Gly	Leu	Ser	360	365	370	375
Phe	Trp	Leu	His	Lys	Leu	Ile	Phe	Val	Asp	Ala	Val	Ala	Tyr	Leu	380	385	390	395
Thr	Gly	Lys	Arg	Leu	Cys	Leu	Asp	Leu	Asp	Arg	Tyr	Ile	Leu	Val	400	405	410	415
Asp	Ile	Asp	Asp	Ile	Phe	Val	Gly	Lys	Glu	Gly	Thr	Arg	Met	Lys	420	425	430	435
Val	Ala	Asp	Val	Glu	Ala	Leu	Leu	Thr	Thr	Gln	Asn	Lys	Leu	Arg	440	445	450	455
Thr	Leu	Val	Pro	Asn	Phe	Thr	Phe	Asn	Leu	Gly	Phe	Ser	Gly	Lys	460	465	470	475
Phe	Tyr	His	Thr	Gly	Thr	Glu	Glu	Glu	Asp	Ala	Gly	Asp	Asp	Met	480	485	490	495
Leu	Leu	Lys	His	Arg	Lys	Glu	Phe	Trp	Trp	Phe	Pro	His	Met	Trp	500	505	510	515
Ser	His	Met	Gln	Pro	His	Leu	Phe	His	Asn	Arg	Ser	Val	Leu	Ala	520	525	530	535



Asp Gln Met Arg	395	Leu Asn Lys Gln Phe	400	Ala Leu Glu His Gly	405
	410		415		420
Pro Thr Asp Leu	425	Gly Tyr Ala Val Ala	430	Pro His His Ser Gly	435
	440		445		450
Tyr Pro Ile His	455	Thr Gln Leu Tyr Glu	460	Ala Trp Lys Ser Val	465
	470		475		480
Gly Ile Gln Val	485	Thr Ser Thr Glu Glu	490	Tyr Pro His Leu Arg	495
	500		505		510
Ala Arg Tyr Arg	515	Arg Gly Phe Ile His	520	Asn Gly Ile Met Val	525
	530		535		540
Pro Arg Gln Thr	545	Cys Gly Leu Phe Thr	550	His Thr Ile Phe Tyr	555
	560		565		570
Glu Tyr Pro Gly	575	Gly Ser Arg Glu Leu	580	Asp Arg Ser Ile Arg	585
	590		595		600
Gly Glu Leu Phe	605	Leu Thr Val Leu Leu	610	Asn Pro Ile Ser Ile	615
	620		625		630
Met Thr His Leu	635	Ser Asn Tyr Gly Asn	640	Asp Arg Leu Gly Leu	645
	640		645		650
Thr Phe Glu Ser	650	Leu Val Arg Phe Leu	655	Gln Cys Trp Thr Arg	660
	665		670		675
Arg Leu Gln Thr	680	Leu Pro Pro Val Pro	685	Leu Ala Gln Lys Tyr	690
	695		700		705
Glu Leu Phe Pro	710	Gln Glu Arg Ser Pro	715	Leu Trp Gln Asn Pro	720
	725		730		735
Asp Asp Lys Arg	740	His Lys Asp Ile Trp		Ser Lys Glu Lys Thr	
Asp Arg Leu Pro		Lys Phe Leu Ile Val		Gly Pro Gln Lys Thr	
Thr Thr Ala Ile		His Phe Phe Leu Ser		Leu His Pro Ala Val	
Ser Ser Phe Pro		Ser Pro Ser Thr Phe		Glu Glu Ile Gln Phe	
Asn Ser Pro Asn		Tyr His Lys Gly Ile		Asp Trp Tyr Met Asp	
Phe Pro Val Pro		Ser Asn Ala Ser Thr		Asp Phe Leu Phe Glu	
Ser Ala Thr Tyr		Phe Asp Ser Glu Val		Val Pro Arg Arg Gly	
Ala Leu Leu Pro		Arg Ala Lys Ile Ile		Thr Val Leu Thr Asn	
Ala Asp Arg Ala		Tyr Ser Trp Tyr Gln		Val Cys Leu Lys Leu	
Thr His Arg Leu		Lys Val Gly Gly Arg		Gly Glu Gly Thr Val	
Ala Arg Glu Gly		Glu Arg Ser Glu Val			

&lt;210&gt; 51

&lt;211&gt; 138

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7510091CD1

&lt;400&gt; 51

Met Ala Glu Glu Gln Gly Arg Glu Arg Asp Ser Val Pro Lys Pro	
1 5 10 15	
Ser Val Leu Phe Leu His Pro Asp Leu Gly Val Gly Gly Ala Glu	
20 25 30	
Arg Leu Val Leu Asp Ala Ala Leu Ala Leu Gln Ala Arg Gly Cys	

	35		40		45
Ser Val Lys Ile Trp Thr Ala His Tyr Asp Pro Gly His Cys Phe					
	50		55		60
Ala Glu Ser Arg Glu Leu Pro Val Arg Cys Ala Gly Asp Trp Leu					
	65		70		75
Pro Arg Gly Leu Gly Trp Gly Gly Arg Gly Ala Ala Val Cys Ala					
	80		85		90
Tyr Val Arg Met Val Phe Leu Ala Leu Tyr Val Leu Phe Leu Ala					
	95		100		105
Asp Glu Glu Phe Asp Val Val Val Cys Asp Gln Ala Ile Cys Ile					
	110		115		120
Pro Leu Ser Leu Cys Ser Glu Pro Gly His Thr Val Leu Ser Ser					
	125		130		135
Val Met Cys					

<210> 52  
 <211> 930  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 7510109CD1

<400> 52

Met Cys Val Arg Ser Cys Phe Gln Ser Pro Arg Leu Gln Trp Val					
1	5		10		15
Trp Arg Thr Ala Phe Leu Lys His Thr Gln Arg Arg His Gln Gly					
	20		25		30
Ser His Arg Trp Thr His Leu Gly Gly Ser Thr Tyr Arg Ala Val					
	35		40		45
Ile Phe Asp Met Gly Gly Val Leu Ile Pro Ser Pro Gly Arg Val					
	50		55		60
Ala Ala Glu Trp Glu Val Gln Asn Arg Ile Pro Ser Gly Thr Ile					
	65		70		75
Leu Lys Ala Leu Met Glu Gly Gly Glu Asn Gly Pro Trp Met Arg					
	80		85		90
Phe Met Arg Ala Glu Ile Thr Ala Glu Gly Phe Leu Arg Glu Phe					
	95		100		105
Gly Arg Leu Cys Ser Glu Met Leu Lys Thr Ser Val Pro Val Asp					
	110		115		120
Ser Phe Phe Ser Leu Leu Thr Ser Glu Arg Val Ala Lys Gln Phe					
	125		130		135
Pro Val Met Thr Glu Ala Ile Thr Gln Ile Arg Ala Lys Gly Leu					
	140		145		150
Gln Thr Ala Val Leu Ser Asn Asn Phe Tyr Leu Pro Asn Gln Lys					
	155		160		165
Ser Phe Leu Pro Leu Asp Arg Lys Gln Phe Asp Val Ile Val Glu					
	170		175		180
Ser Cys Met Glu Gly Ile Cys Lys Pro Asp Pro Arg Ile Tyr Lys					
	185		190		195
Leu Cys Leu Glu Gln Leu Gly Leu Gln Pro Ser Glu Ser Ile Phe					
	200		205		210
Leu Asp Asp Leu Gly Thr Asn Leu Lys Glu Ala Ala Arg Leu Gly					
	215		220		225
Ile His Thr Ile Lys Val Asn Asp Pro Glu Thr Ala Val Lys Glu					
	230		235		240
Leu Glu Ala Leu Leu Gly Phe Thr Leu Arg Val Gly Val Pro Asn					
	245		250		255
Thr Arg Pro Val Lys Lys Thr Met Glu Ile Pro Lys Asp Ser Leu					
	260		265		270
Gln Lys Tyr Leu Lys Asp Leu Leu Gly Ile Gln Thr Thr Gly Pro					

Leu Glu Leu Leu	275	Gln Phe Asp His Gly	280	Gln Ser Asn Pro Thr	285
	290		295		300
Tyr Ile Arg Leu	305	Ala Asn Arg Asp Leu	310	Val Leu Arg Lys Lys	315
Pro Gly Thr Leu	320	Leu Pro Ser Ala His	325	Ala Ile Glu Arg Glu	330
Arg Ile Met Lys	335	Ala Leu Ala Asn Ala	340	Gly Val Pro Val Pro	345
Val Leu Asp Leu	350	Cys Glu Asp Ser Arg	355	Leu Asp Asn Leu Val	360
His Pro Glu Glu	365	Pro Glu Val Leu Ala	370	Val Leu Asp Trp Glu	375
Ser Thr Leu Gly	380	Asp Pro Leu Ala Asp	385	Val Ala Tyr Ser Cys	390
Ala His Tyr Leu	395	Pro Ser Ser Phe Pro	400	Val Leu Arg Gly Ile	405
Asp Cys Asp Leu	410	Thr Gln Leu Gly Ile	415	Pro Ala Ala Glu Glu	420
Phe Arg Met Tyr	425	Cys Leu Gln Met Gly	430	Leu Pro Pro Thr Glu	435
Trp Asn Phe Tyr	440	Met Ala Phe Ser Phe	445	Phe Arg Val Ala Ala	450
Leu Gln Gly Val	455	Tyr Lys Arg Ser Leu	460	Thr Gly Gln Ala Ser	465
Thr Tyr Ala Glu	470	Gln Thr Gly Lys Leu	475	Thr Glu Phe Val Ser	480
Leu Ala Trp Asp	485	Phe Ala Val Lys Glu	490	Gly Phe Arg Val Phe	495
Glu Met Pro Phe	500	Thr Asn Pro Leu Thr	505	Arg Ser Tyr His Thr	510
Ala Arg Pro Gln	515	Ser Gln Trp Cys Pro	520	Thr Gly Ser Arg Ser	525
Ser Ser Val Pro	530	Glu Ala Ser Pro Ala	535	His Thr Ser Arg Gly	540
Leu Val Ile Ser	545	Pro Glu Ser Leu Ser	550	Pro Pro Val Arg Glu	555
Tyr His Arg Leu	560	Lys His Phe Met Glu	565	Gln Arg Val Tyr Pro	570
Glu Pro Glu Leu	575	Gln Ser His Gln Ala	580	Ser Ala Ala Arg Trp	585
Pro Ser Pro Leu	590	Ile Glu Asp Leu Lys	595	Glu Lys Ala Lys Ala	600
Gly Leu Trp Asn	605	Leu Phe Leu Pro Leu	610	Glu Ala Asp Pro Glu	615
Lys Tyr Gly Ala	620	Gly Leu Thr Asn Val	625	Glu Tyr Ala His Leu	630
Glu Leu Met Gly	635	Thr Ser Leu Tyr Ala	640	Pro Glu Val Cys Asn	645
Ser Ala Pro Asp	650	Thr Gly Asn Met Glu	655	Leu Leu Val Arg Tyr	660
Thr Glu Ala Gln	665	Lys Ala Arg Trp Leu	670	Ile Pro Leu Leu Glu	675
Lys Ala Arg Ser	680	Cys Phe Ala Met Thr	685	Glu Pro Gln Val Ala	690
Ser Asp Ala Thr	695	Asn Ile Glu Ala Ser	700	Ile Arg Glu Glu Asp	705
Phe Tyr Val Ile	710	Asn Gly His Lys Trp	715	Trp Ile Thr Gly Ile	720
Asp Pro Arg Cys	725	Gln Leu Cys Val Phe	730	Met Gly Lys Thr Asp	735
His Ala Pro Arg	740	His Arg Gln Gln Ser	745	Val Leu Leu Val Pro	750

Asp Thr Pro Gly Ile Lys Ile Ile Arg Pro Leu Thr Val Tyr Gly	755	760	765
Leu Glu Asp Ala Pro Gly Gly His Gly Glu Val Arg Phe Glu His	770	775	780
Val Arg Val Pro Lys Glu Asn Met Val Leu Gly Pro Gly Arg Gly	785	790	795
Phe Glu Ile Ala Gln Gly Arg Leu Gly Pro Gly Arg Ile His His	800	805	810
Cys Met Arg Leu Ile Gly Phe Ser Glu Arg Ala Leu Ala Leu Met	815	820	825
Lys Ala Arg Val Lys Ser Arg Leu Ala Phe Gly Lys Pro Leu Val	830	835	840
Glu Gln Gly Thr Val Leu Ala Asp Ile Ala Gln Ser Arg Val Glu	845	850	855
Ile Glu Gln Ala Arg Leu Leu Val Leu Arg Ala Ala His Leu Met	860	865	870
Asp Leu Ala Gly Asn Lys Ala Ala Ala Leu Asp Ile Ala Met Ile	875	880	885
Lys Met Val Ala Pro Ser Met Ala Ser Arg Val Ile Asp Arg Ala	890	895	900
Ile Gln Val Ser Thr Asp Gln Thr Val Gly Leu Phe Glu Pro Ser	905	910	915
Ile Leu Asp Ala Lys Leu Ser Tyr Leu Gln Pro Pro Ser Leu Pro	920	925	930

&lt;210&gt; 53

&lt;211&gt; 260

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7510121CD1

&lt;400&gt; 53

Met Val Glu Leu Met Phe Pro Leu Leu Leu Leu Leu Leu Pro Phe	1	5	10	15
Leu Leu Tyr Met Ala Ala Pro Gln Ile Arg Lys Met Leu Ser Ser	20	25	30	35
Gly Val Cys Thr Ser Thr Val Gln Leu Pro Gly Lys Val Val Val	40	45	50	55
Val Thr Gly Ala Asn Thr Gly Ile Gly Lys Glu Thr Ala Lys Glu	60	65	70	75
Leu Ala Gln Arg Gly Ala Arg Val Tyr Leu Ala Cys Arg Asp Val	80	85	90	95
Glu Lys Gly Glu Leu Val Ala Lys Glu Ile Gln Thr Thr Thr Gly	100	105	110	115
Asn Gln Gln Val Leu Val Arg Lys Leu Asp Leu Ser Asp Thr Lys	120	125	130	135
Ser Ile Arg Ala Phe Ala Lys Gly Phe Leu Ala Glu Glu Lys His	140	145	150	155
Leu His Val Leu Ile Asn Asn Ala Gly Val Met Met Cys Pro Tyr	160	165	170	175
Ser Lys Thr Ala Asp Gly Phe Glu Met His Ile Gly Val Asn His	180	185	190	195
Leu Gly His Phe Leu Leu Thr His Leu Leu Leu Glu Lys Leu Lys	200	205	210	215
Glu Ser Ala Pro Ser Arg Ile Val Asn Val Ser Ser Leu Ala His	220	225	230	235
His Leu Gly Arg Ile His Phe His Asn Leu Gln Gly Glu Lys Phe	240	245	250	255
Tyr Asn Ala Gly Leu Ala Tyr Cys His Ser Lys Leu Ala Asn Ile	260	265	270	275

200	205	210
Leu Phe Thr Gln Glu Leu Ala Arg Arg	Leu Lys Gly Gly Pro Arg	
215	220	225
Gly Asn Glu Cys Gly Asp Met Ser Gln	Arg Glu Ala Gly Lys Ser	
230	235	240
His Arg Asn Gly Asn Cys Phe Gln Ser	Pro Ser Pro Gly Glu Asp	
245	250	255
Leu Leu Pro Trp Leu		
260		

&lt;210&gt; 54

&lt;211&gt; 714

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7510797CD1

&lt;400&gt; 54

Met Arg Leu Thr Gln Asp Pro Ile Gln Val	Leu Leu Ile Phe Ala
1 5	10 15
Lys Glu Asp Ser Gln Ser Asp Gly Phe Trp	Trp Ala Cys Asp Arg
20 25	30
Ala Gly Tyr Arg Cys Asn Ile Ala Arg Thr	Pro Glu Ser Ala Leu
35 40	45
Glu Cys Phe Leu Asp Lys His His Glu Ile	Ile Val Ile Asp His
50 55	60
Arg Gln Thr Gln Asn Phe Asp Ala Glu Ala	Val Cys Arg Ser Ile
65 70	75
Arg Ala Thr Asn Pro Ser Glu His Thr Val	Ile Leu Ala Val Val
80 85	90
Ser Arg Val Ser Asp Asp His Glu Glu Ala	Ser Val Leu Pro Leu
95 100	105
Leu His Ala Gly Phe Asn Arg Arg Phe Met	Glu Asn Ser Ser Ile
110 115	120
Ile Ala Cys Tyr Asn Glu Leu Ile Gln Ile	Glu His Gly Glu Val
125 130	135
Arg Ser Gln Phe Lys Leu Arg Ala Cys Asn	Ser Val Phe Thr Ala
140 145	150
Leu Asp His Cys His Glu Ala Ile Glu Ile	Thr Ser Asp Asp His
155 160	165
Val Ile Gln Glu Trp Gln Gly Val Tyr Tyr	Ala Arg Arg Lys Ser
170 175	180
Gly Asp Ser Ile Gln Gln His Val Lys Ile	Thr Pro Val Ile Gly
185 190	195
Gln Gly Gly Lys Ile Arg His Phe Val Ser	Leu Lys Lys Leu Cys
200 205	210
Cys Thr Thr Asp Asn Asn Lys Gln Ile His	Lys Ile His Arg Asp
215 220	225
Ser Gly Asp Asn Ser Gln Thr Glu Pro His	Ser Phe Arg Tyr Lys
230 235	240
Asn Arg Arg Lys Glu Ser Ile Asp Val Lys	Ser Ile Ser Ser Arg
245 250	255
Gly Ser Asp Ala Pro Ser Leu Gln Asn Arg	Arg Tyr Pro Ser Met
260 265	270
Ala Arg Ile His Ser Met Thr Ile Glu Ala	Pro Ile Thr Lys Val
275 280	285
Ile Asn Ile Ile Asn Ala Ala Gln Glu Asn	Ser Pro Val Thr Val
290 295	300
Ala Glu Ala Leu Asp Arg Val Leu Glu Ile	Leu Arg Thr Thr Glu
305 310	315
Leu Tyr Ser Pro Gln Leu Gly Thr Lys Asp	Glu Asp Pro His Thr

Ser Asp Leu Val	320	325	330
Gly Gly Leu Met Thr	335	340	345
Ser Gly Asn Glu Tyr Val Phe Thr Lys	350	355	360
Ser His Leu Ala Met Pro Ile Thr Ile	365	370	375
Ile Ser Gln Leu Leu Asp Asn Glu Glu	380	385	390
Phe Glu Leu Glu Ala Ile Thr His Lys	395	400	405
Gly Leu Lys Val Phe Ser Arg Phe Gly	410	415	420
Cys Ser Glu Thr Thr Leu Arg Ala Trp	425	430	435
Asn Tyr His Ser Ser Asn Ala Tyr His	440	445	450
Asp Val Leu His Ala Thr Ala Phe Phe	455	460	465
Lys Gly Ser Leu Asp Gln Leu Asp Glu	470	475	480
Ala Thr Val His Asp Val Asp His Pro	485	490	495
Leu Cys Asn Ala Gly Ser Glu Leu Ala	500	505	510
Ala Val Leu Glu Ser His His Thr Ala	515	520	525
Val Lys Asp Thr Lys Cys Asn Ile Phe	530	535	540
His Tyr Arg Thr Leu Arg Gln Ala Ile	545	550	555
Thr Glu Met Thr Lys His Phe Glu His	560	565	570
Ser Ile Asn Lys Pro Met Ala Ala Glu	575	580	585
Glu Cys Asn Pro Ala Gly Lys Asn Phe	590	595	600
Ile Lys Arg Met Met Ile Lys Cys Ala	605	610	615
Arg Pro Leu Asp Leu Cys Ile Glu Trp	620	625	630
Glu Tyr Phe Ala Gln Thr Asp Glu Glu	635	640	645
Val Val Met Pro Val Phe Asp Arg Asn	650	655	660
Ser Gln Ile Ser Phe Ile Asp Tyr Phe	665	670	675
Ala Trp Asp Ala Phe Ala His Leu Pro	680	685	690
Ala Asp Asn Tyr Lys His Trp Lys Thr	695	700	705
Lys Ser Leu Arg Leu Pro Ser Asp Ser	710		

&lt;210&gt; 55

&lt;211&gt; 600

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7504944CD1

&lt;400&gt; 55

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Met Ala Arg Gly Ser Ala Val Ala Trp Ala Ala Leu Gly Pro Leu
 1          5          10          15
Leu Trp Gly Cys Ala Leu Gly Leu Gln Gly Gly Met Leu Tyr Pro
          20          25          30
Gln Glu Ser Pro Ser Arg Glu Cys Lys Glu Leu Asp Gly Leu Trp
          35          40          45
Ser Phe Arg Ala Asp Phe Ser Asp Asn Arg Arg Arg Gly Phe Glu
          50          55          60
Glu Gln Trp Tyr Arg Arg Pro Leu Trp Glu Ser Gly Pro Thr Val
          65          70          75
Asp Met Pro Val Pro Ser Ser Phe Asn Asp Ile Ser Gln Asp Trp
          80          85          90
Arg Leu Arg His Phe Val Gly Trp Val Trp Tyr Glu Arg Glu Val
          95          100          105
Ile Leu Pro Glu Arg Trp Thr Gln Asp Leu Arg Thr Arg Val Val
          110          115          120
Leu Arg Ile Gly Ser Ala His Ser Tyr Ala Ile Val Trp Val Asn
          125          130          135
Gly Val Asp Thr Leu Glu His Glu Gly Gly Tyr Leu Pro Phe Glu
          140          145          150
Ala Asp Ile Ser Asn Leu Val Gln Val Gly Pro Leu Pro Ser Arg
          155          160          165
Leu Arg Ile Thr Ile Ala Ile Asn Asn Thr Leu Thr Pro Thr Thr
          170          175          180
Leu Pro Pro Gly Thr Ile Gln Tyr Leu Thr Asp Thr Ser Lys Tyr
          185          190          195
Pro Lys Gly Tyr Phe Val Gln Asn Thr Tyr Phe Asp Phe Phe Asn
          200          205          210
Tyr Ala Gly Leu Gln Arg Ser Val Leu Leu Tyr Thr Thr Pro Thr
          215          220          225
Thr Tyr Ile Asp Asp Ile Thr Val Thr Thr Ser Val Glu Gln Asp
          230          235          240
Ser Gly Leu Val Asn Tyr Gln Ile Ser Val Lys Gly Ser Asn Leu
          245          250          255
Phe Lys Leu Glu Val Arg Leu Leu Asp Ala Glu Asn Lys Val Val
          260          265          270
Ala Asn Gly Thr Gly Thr Gln Gly Gln Leu Lys Val Pro Gly Val
          275          280          285
Ser Leu Trp Trp Pro Tyr Leu Met His Glu Arg Pro Ala Tyr Leu
          290          295          300
Tyr Ser Leu Glu Ile Arg Gly Lys Gly Phe Asp Trp Pro Leu Leu
          305          310          315
Val Lys Asp Phe Asn Leu Leu Arg Trp Leu Gly Ala Asn Ala Phe
          320          325          330
Arg Thr Ser His Tyr Pro Tyr Ala Glu Glu Val Met Gln Met Cys
          335          340          345
Asp Arg Tyr Gly Ile Val Val Ile Asp Glu Cys Pro Gly Val Gly
          350          355          360
Leu Ala Leu Pro Gln Phe Phe Asn Asn Val Ser Leu His His His
          365          370          375
Met Gln Val Met Glu Glu Val Val Arg Arg Asp Lys Asn His Pro
          380          385          390
Ala Val Val Met Trp Ser Val Ala Asn Glu Pro Ala Ser His Leu
          395          400          405
Glu Ser Ala Gly Tyr Tyr Leu Lys Met Val Ile Ala His Thr Lys
          410          415          420
Ser Leu Asp Pro Ser Arg Pro Val Thr Phe Val Ser Asn Ser Asn
          425          430          435
Tyr Ala Ala Asp Lys Gly Ala Pro Tyr Val Asp Val Ile Cys Leu
          440          445          450
Asn Ser Tyr Tyr Ser Trp Tyr His Asp Tyr Gly His Leu Glu Leu
          455          460          465

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Ile	Gln	Leu	Gln	Leu	Ala	Thr	Gln	Phe	Glu	Asn	Trp	Tyr	Lys	Lys
				470					475					480
Tyr	Gln	Lys	Pro	Ile	Ile	Gln	Ser	Glu	Tyr	Gly	Ala	Glu	Thr	Ile
				485					490					495
Ala	Gly	Phe	His	Gln	Asp	Pro	Pro	Leu	Met	Phe	Thr	Glu	Glu	Tyr
				500					505					510
Gln	Lys	Ser	Leu	Leu	Glu	Gln	Tyr	His	Leu	Gly	Leu	Asp	Gln	Lys
				515					520					525
Arg	Arg	Lys	Tyr	Val	Val	Gly	Glu	Leu	Ile	Trp	Asn	Phe	Ala	Asp
				530					535					540
Phe	Met	Thr	Glu	Gln	Ser	Pro	Thr	Arg	Val	Leu	Gly	Asn	Lys	Lys
				545					550					555
Gly	Ile	Phe	Thr	Arg	Gln	Arg	Gln	Pro	Lys	Ser	Ala	Ala	Phe	Leu
				560					565					570
Leu	Arg	Glu	Arg	Tyr	Trp	Lys	Ile	Ala	Asn	Glu	Thr	Arg	Tyr	Pro
				575					580					585
His	Ser	Val	Ala	Lys	Ser	Gln	Cys	Leu	Glu	Asn	Ser	Leu	Phe	Thr
				590					595					600

&lt;210&gt; 56

&lt;211&gt; 1671

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509350CB1

&lt;400&gt; 56

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cgcgcccca	agaactaccc	gccggggccc	tggcgctgc	ccttccttgg	caacttcttc	180
cttgtggact	tcgagcagtc	gcacctggag	gttcagctgt	ttgtgaagaa	atatgggaac	240
cttttttagct	tggagcttgg	tgacatatct	gcagttctta	ttactggcct	gcccttaatc	300
aaagaagccc	ttatccacat	ggacccaaaac	tttgggaacc	gccccgtgac	ccctatgcga	360
gaacatatct	ttaagaaaaa	tggattgatt	atgtcaagtg	gccaggcatg	gaaggagcaa	420
agaaggttca	ctctgacagc	actaaggaac	tttggtttag	gaaagaagag	cttagaggaa	480
cgcattcagg	aggaggccca	acacctcact	gaagcaataa	aagaggagaa	cggacagcct	540
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ggagaacgct	ttgagtacca	ggatagttgg	tttcagcagc	tgctgaagtt	actagatgaa	660
gtcacatact	tggaggcttc	aaagacatgc	cagctctaca	atgtctttcc	atggataatg	720
aaattcctgc	ctggacccca	ccaaactctc	ttcagcaact	ggaaaaaact	gaaattggtt	780
gtttctcata	tgattgacaa	acacagaaaag	gattggaatc	ctgcagaaac	aagagacttt	840
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acaactctgc	gatgggctct	gcttttatatg	gccctctacc	cagaaatcca	agggtagcat	1020
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attcaatccg	gaccattttc	tggagaatgg	acagtttaag	aaaagggaag	cctttatgcc	1140
tttctcaata	ggaaagcggg	catgcctcgg	agaacagttg	gccaggactg	agctgtttat	1200
tttcttcact	tcccttatgc	aaaaattttac	cttcaggccc	ccaaacaatg	agaagctgag	1260
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gaaaagagga	taatgtttcc	ttccataaaag	aaagtctctg	taagaatcaa	aagaaatggt	1620
gagctttaag	tggtttgtaa	accataaaac	acatcataaa	agccctaaaa	a	1671

&lt;210&gt; 57

&lt;211&gt; 2201

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens



&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509325CB1

&lt;400&gt; 57

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ttatgcttct cttttcactc tggagacaga gctgtaggag aaggaagctc cctcctggcc 180
ccactcctct tcctattatt ggaaatatgc tacagataga tgttaaggac atctgcaaat 240
ctttcaccaa tttctcaaaa gtctatggtc ctgtgttcac cgtgtatttt ggcatgaatc 300
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tccttggctg tgaattctcc cagtttctgc cccttttttt attaggaatc atttccagca 600
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&lt;210&gt; 58

&lt;211&gt; 1231

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509337CB1

&lt;400&gt; 58

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gcctttgagc tgctgacttt cagctggaac ttgaaggagc cccaacctg agacactatg 180
gccctgacct cagacctggg gaaacagata aaactgaaag aggtggaggg gaccctcctg 240
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ctcctcatct gcacctaccc taaagcaggg acaacgtgga ttcaggaaat tgtggatatg 360
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ttcattagat gggctcggcc accccaacct tctgctcgaa atgccaaga ctgtattggt 480
tcctactacc atttccaaag gatgaaccac atgcttctct accctggtac ctgggaagag 540
tattttgaaa ccttcatcaa tggaaaagtg gtttggggtt cctggtttga ccacgtgaaa 600

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aacgtaaaaa aaaaaaaaaa aaaagatctt t
1231

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&lt;210&gt; 59

&lt;211&gt; 2002

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509353CB1

&lt;400&gt; 59

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ctcaccctgt ttctttctgt gaagcgagaa tgtctgaaaa taaataggac catgcaaaaa 1980
aaaaaaaaa aaaaatgcgg tc
2002

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&lt;210&gt; 60

&lt;211&gt; 1657

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509354CB1

&lt;400&gt; 60

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acatggaagg cattgagggg cgccaggtct accctgacgt ggagcccggg tacctgcggc 180
cgctgatccc tgccgctgcc cctcaggagc cagacacgtt tgaggacatc atcaacgacg 240
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gcatcgggctt ctctggggcg gcaagcccag catgcacaga gctggagact gtgatgatgg 420
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atctcttaga agtcggctct atctgcaaca aggaagacat atggctgcac gttgatgcag 600
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&lt;220&gt;

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&lt;210&gt; 62

&lt;211&gt; 1471

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7509216CB1

&lt;400&gt; 62

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&lt;210&gt; 63

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&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;400&gt; 63

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&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7501927CB1

&lt;400&gt; 64

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<220>  
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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 7509996CB1

&lt;400&gt; 67

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&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7510030CB1

&lt;400&gt; 68

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 7581076CB1

&lt;400&gt; 84

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&lt;400&gt; 85

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&lt;400&gt; 86

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<211> 2597

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7500900CB1

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&lt;213&gt; Homo sapiens

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aaa

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&lt;211&gt; 673

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7501489CB1

&lt;400&gt; 91

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&lt;400&gt; 92

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&lt;210&gt; 100

&lt;211&gt; 995

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7504625CB1

&lt;400&gt; 100

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&lt;211&gt; 1297

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&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7504776CB1

&lt;400&gt; 101

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&lt;210&gt; 102

&lt;211&gt; 600

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7504927CB1

&lt;400&gt; 102

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&lt;210&gt; 103

&lt;211&gt; 2292

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7505010CB1

&lt;400&gt; 103

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<210> 104

<211> 789

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7505173CB1

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<221> unsure

<222> (1) ... (789)

<223> a, t, c, g, or other

<400> 104

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<211> 3702

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7510061CB1

<400> 105

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 <212> DNA  
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&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7510091CB1

&lt;400&gt; 106

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&lt;211&gt; 3692

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7510109CB1

&lt;400&gt; 107

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&lt;211&gt; 2088

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7510121CB1

&lt;400&gt; 108

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&lt;211&gt; 3020

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 7510797CB1

&lt;400&gt; 109

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&lt;211&gt; 2109

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7504944CB1

&lt;400&gt; 110

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